A8620-1 [redacted]

NEWS

NMTBA
The Association For
Manufacturing Technology

FOR RELEASE: November 28, 1988
Contact: Charles Pollock

## MACHINE TOOL ORDERS DIP IN OCTOBER

Net new machine tool orders for October stood at $264.15 million, down 19.5% compared to September's $328.20 million, according to figures released today by NMTBA - The Association For Manufacturing Technology. October metal cutting machine tool orders fell 18.5% to $217.30 million, while metal forming equipment orders fell 24.1% to $46.85 million.

Year-to-date total machine tool orders stand at $2,997.30 million, 72.2% ahead of the $1,740.10 million posted in the first 10 months of 1987. Through October 1988, metal cutting orders reached $2,275.05 million, up 91.5% from 1987's $1,188.10 million, while metal forming orders reached $722.25 million, up 30.8% from 1987's $552.00 million. Compared to October a year ago, October 1988 total orders are down 1.2%, with metal cutting orders up 9.7% and metal forming orders down 32.3%.

James A. Gray, NMTBA president, said, "We are very pleased with the machine tool order picture for 1988. We have seen generally steady gains throughout the year, especially in orders from overseas. Year-to-date foreign metal cutting orders are 174.5% ahead of 1987."

"Manufacturers both here and abroad are now watchful," Gray noted, "waiting to see what steps the incoming American administration will be taking to keep our economy on the strong course set over the last eight years. It will be important to U.S. manufacturers that conditions conducive to free and fair trade continue. The

(MORE)

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U.S. machine tool industry has demonstrated that it is competitive overseas and U.S. manufacturers are steadily expanding their efforts in foreign markets."

At $1,850.15 million, year-to-date total machine tool shipments were slightly below 1987, down 0.4%, with metal cutting shipments down 9.7% and metal forming shipments up 22.8%. Comparing October 1988 to October 1987, total shipments are up 1.7%, with metal cutting up 9.0% and metal forming down 11.4%.

October 1988 total shipments stood at $213.30 million, down 6.3% compared to the previous month. October 1988 shipments of metal cutting equipment fell 2.7% to $147.05 million, while metal forming shipments fell 13.2% to $66.25 million.

The machine tool order backlog for October 1988 stood at $2,146.65 million, up from September's $2,095.80 million.

# # #

## COMPARISON CHART

### NET NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

| | METAL CUTTING | | | METAL FORMING | | | TOTAL Cutting and Forming | | |
|---|---|---|---|---|---|---|---|---|---|
| | Domestic | Foreign | Total | Domestic | Foreign | Total | Domestic | Foreign | Total |
| OCT 1988 | 201.15 | 16.15 | 217.30 | 40.00 | 6.85 | 46.85 | 241.15 | 23.00 | 264.15 |
| SEP 1988 | 252.95 | 13.55 | 266.50 | 51.65 | 10.05 | 61.70 | 304.60 | 23.60 | 328.20 |
| % CHANGE | | | | | | | | | |
| OCT 1988:SEP 1988 | -20.5 | +19.2 | -18.5 | -22.6 | -31.8 | -24.1 | -20.8 | -2.5 | -19.5 |
| OCT 1987 | 187.15 | 11.00 | 198.15 | 59.55 | 9.70 | 69.25 | 246.70 | 20.70 | 267.40 |
| % CHANGE | | | | | | | | | |
| OCT 1988:OCT 1987 | +7.5 | +46.8 | +9.7 | -32.8 | -29.4 | -32.3 | -2.2 | +11.1 | -1.2 |
| YEAR TO DATE 1988 | 1,961.55 | 313.50 | 2,275.05 | 622.90 | 99.35 | 722.25 | 2,584.45 | 412.85 | 2,997.30 |
| YEAR TO DATE 1987 | 1,073.90 | 114.20 | 1,188.10 | 445.05 | 106.95 | 552.00 | 1,518.95 | 221.15 | 1,740.10 |
| % CHANGE | | | | | | | | | |
| 1988 : 1987 | +82.7 | +174.5 | +91.5 | +40.0 | -7.1 | +30.8 | +70.1 | +86.7 | +72.2 |

### SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

| | METAL CUTTING | | | METAL FORMING | | | TOTAL Cutting and Forming | | |
|---|---|---|---|---|---|---|---|---|---|
| | Domestic | Foreign | Total | Domestic | Foreign | Total | Domestic | Foreign | Total |
| OCT 1988 | 124.50 | 22.55 | 147.05 | 55.30 | 10.95 | 66.25 | 179.80 | 33.50 | 213.30 |
| SEP 1988 | 133.50 | 17.70 | 151.20 | 65.70 | 10.65 | 76.35 | 199.20 | 28.35 | 227.55 |
| % CHANGE | | | | | | | | | |
| OCT 1988:SEP 1988 | -6.7 | +27.4 | -2.7 | -15.8 | +2.8 | -13.2 | -9.7 | +18.2 | -6.3 |
| OCT 1987 | 117.95 | 16.90 | 134.85 | 63.25 | 11.55 | 74.80 | 181.20 | 28.45 | 209.65 |
| % CHANGE | | | | | | | | | |
| OCT 1988:OCT 1987 | +5.6 | +33.4 | +9.0 | -12.6 | -5.2 | -11.4 | -0.8 | +17.8 | +1.7 |
| YEAR TO DATE 1988 | 1,058.15 | 137.40 | 1,195.55 | 557.75 | 96.85 | 654.60 | 1,615.90 | 234.25 | 1,850.15 |
| YEAR TO DATE 1987 | 1,179.75 | 144.60 | 1,324.35 | 455.45 | 77.40 | 532.85 | 1,635.20 | 222.00 | 1,857.20 |
| % CHANGE | | | | | | | | | |
| 1988 : 1987 | -10.3 | -5.0 | -9.7 | +22.5 | +25.1 | +22.8 | -1.2 | +5.5 | -0.4 |

Source: NMTBA - The Association For Manufacturing Technology

**TOTAL INDUSTRY ESTIMATE**
**MACHINE TOOLS - CUTTING AND FORMING**
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

| DATE | NET NEW ORDERS Domestic | Foreign | Total | Order Backlog | SHIPMENTS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|---|
| 1987 | $1,830.50 | $ 288.30 | $2,118.80 | $ 999.50 | $2,036.75 | $ 286.90 | $2,323.65 |
| 1988 | | | | | | | |
| JAN | $ 266.05 | $ 31.45 | $ 297.50 | $1,153.65 | $ 125.65 | $ 17.70 | $ 143.35 |
| FEB | $ 258.85 | $ 39.20 | $ 298.05 | $1,285.25 | $ 145.10 | $ 21.35 | $ 166.45 |
| MAR | $ 222.05 | $ 32.40 | $ 254.45 | $1,333.00 | $ 185.75 | $ 20.95 | $ 206.70 |
| APR | $ 193.45 | $ 59.55 | $ 253.00 | $1,428.60 | $ 133.90 | $ 23.50 | $ 157.40 |
| MAY | $ 278.90 | $ 45.80 | $ 324.70 | $1,573.60 | $ 157.60 | $ 22.10 | $ 179.70 |
| JUN | $ 345.25 | $ 37.55 | $ 382.80 | $1,742.35 | $ 185.25 | $ 28.80 | $ 214.05 |
| JUL | $ 221.35 | $ 33.60 | $ 254.95 | $1,809.60 | $ 169.90 | $ 17.80 | $ 187.70 |
| AUG | $ 252.80 | $ 86.70 | $ 339.50 | $1,995.15 | $ 133.75 | $ 20.20 | $ 153.95 |
| SEP | $ 304.60 | $ 23.60 | $ 328.20 | $2,095.80 | $ 199.20 | $ 28.35 | $ 227.55 |
| OCT (P) | $ 241.15 | $ 23.00 | $ 264.15 | $2,146.65 | $ 179.80 | $ 33.50 | $ 213.30 |
| 10 MONTHS | $2,584.45 | $ 412.85 | $2,997.30 | | $1,615.90 | $ 234.25 | $1,850.15 |

| DATE | GROSS NEW ORDERS Domestic | Foreign | Total | CANCELLATIONS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|
| 1987 | $1,949.10 | $ 303.40 | $2,252.50 | $ 118.60 | $ 15.10 | $ 133.70 |
| 1988 | | | | | | |
| JAN | $ 268.95 | $ 32.30 | $ 301.25 | $ 2.90 | $ .85 | $ 3.75 |
| FEB | $ 265.15 | $ 39.35 | $ 304.50 | $ 6.30 | $ .15 | $ 6.45 |
| MAR | $ 227.55 | $ 33.10 | $ 260.65 | $ 5.50 | $ .70 | $ 6.20 |
| APR | $ 208.15 | $ 62.00 | $ 270.15 | $ 14.70 | $ 2.45 | $ 17.15 |
| MAY | $ 287.20 | $ 46.10 | $ 333.30 | $ 8.30 | $ .30 | $ 8.60 |
| JUN | $ 352.35 | $ 38.95 | $ 391.30 | $ 7.10 | $ 1.40 | $ 8.50 |
| JUL | $ 227.60 | $ 34.10 | $ 261.70 | $ 6.25 | $ .50 | $ 6.75 |
| AUG | $ 262.05 | $ 88.05 | $ 350.10 | $ 9.25 | $ 1.35 | $ 10.60 |
| SEP | $ 314.25 | $ 25.30 | $ 339.55 | $ 9.65 | $ 1.70 | $ 11.35 |
| OCT (P) | $ 257.95 | $ 24.45 | $ 282.40 | $ 16.80 | $ 1.45 | $ 18.25 |
| 10 MONTHS | $2,671.20 | $ 423.70 | $3,094.90 | $ 86.75 | $ 10.85 | $ 97.60 |

P - Preliminary
NOTE: This table includes industry estimate figures based on reports submitted to the NMTBA - The Association For Manufacturing Technology. These industry estimates have not been adjusted for change in the value of the dollar.

**INDUSTRY ESTIMATE**
**METAL CUTTING TYPE MACHINE TOOLS**
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

| DATE | NET NEW ORDERS Domestic | Foreign | Total | Order Backlog | SHIPMENTS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|---|
| 1987 | $1,294.45 | $ 157.00 | $1,451.45 | $ 672.20 | $1,498.85 | $ 177.65 | $1,676.50 |
| 1988 | | | | | | | |
| JAN | $ 205.75 | $ 18.20 | $ 223.95 | $ 824.95 | $ 61.60 | $ 9.60 | $ 71.20 |
| FEB | $ 217.95 | $ 32.45 | $ 250.40 | $ 966.45 | $ 97.00 | $ 11.90 | $ 108.90 |
| MAR | $ 174.15 | $ 17.75 | $ 191.90 | $1,020.60 | $ 123.95 | $ 13.80 | $ 137.75 |
| APR | $ 146.45 | $ 48.85 | $ 195.30 | $1,120.60 | $ 82.20 | $ 13.10 | $ 95.30 |
| MAY | $ 205.65 | $ 37.20 | $ 242.85 | $1,252.20 | $ 100.25 | $ 11.00 | $ 111.25 |
| JUN | $ 210.65 | $ 27.70 | $ 238.35 | $1,357.75 | $ 116.00 | $ 16.80 | $ 132.80 |
| JUL | $ 167.55 | $ 19.45 | $ 187.00 | $1,410.05 | $ 126.15 | $ 8.55 | $ 134.70 |
| AUG | $ 179.30 | $ 82.20 | $ 261.50 | $1,566.15 | $ 93.00 | $ 12.40 | $ 105.40 |
| SEP | $ 252.95 | $ 13.55 | $ 266.50 | $1,681.45 | $ 133.50 | $ 17.70 | $ 151.20 |
| OCT (P) | $ 201.15 | $ 16.15 | $ 217.30 | $1,751.70 | $ 124.50 | $ 22.55 | $ 147.05 |
| 10 MONTHS | $1,961.55 | $ 313.50 | $2,275.05 | | $1,058.15 | $ 137.40 | $1,195.55 |

| DATE | GROSS NEW ORDERS Domestic | Foreign | Total | CANCELLATIONS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|
| 1987 | $1,365.85 | $ 167.35 | $1,533.20 | $ 71.40 | $ 10.35 | $ 81.75 |
| 1988 | | | | | | |
| JAN | $ 207.35 | $ 18.80 | $ 226.15 | $ 1.60 | $ .60 | $ 2.20 |
| FEB | $ 221.05 | $ 32.55 | $ 253.60 | $ 3.10 | $ .10 | $ 3.20 |
| MAR | $ 178.10 | $ 17.95 | $ 196.05 | $ 3.95 | $ .20 | $ 4.15 |
| APR | $ 150.30 | $ 50.50 | $ 200.80 | $ 3.85 | $ 1.65 | $ 5.50 |
| MAY | $ 210.40 | $ 37.45 | $ 247.85 | $ 4.75 | $ .25 | $ 5.00 |
| JUN | $ 216.85 | $ 29.00 | $ 245.85 | $ 6.20 | $ 1.30 | $ 7.50 |
| JUL | $ 172.40 | $ 19.70 | $ 192.10 | $ 4.85 | $ .25 | $ 5.10 |
| AUG | $ 186.20 | $ 83.15 | $ 269.35 | $ 6.90 | $ .95 | $ 7.85 |
| SEP | $ 260.45 | $ 14.40 | $ 274.85 | $ 7.50 | $ .85 | $ 8.35 |
| OCT (P) | $ 212.35 | $ 17.55 | $ 229.90 | $ 11.20 | $ 1.40 | $ 12.60 |
| 10 MONTHS | $2,015.45 | $ 321.05 | $2,336.50 | $ 53.90 | $ 7.55 | $ 61.45 |

P - Preliminary
NOTE: This table includes industry estimate figures based on reports submitted to the NMTBA - The Association For Manufacturing Technology. These industry estimates have not been adjusted for change in the value of the dollar.

**INDUSTRY ESTIMATE**
**METAL FORMING TYPE MACHINE TOOLS**
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

| DATE | NET NEW ORDERS Domestic | Foreign | Total | Order Backlog | SHIPMENTS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|---|
| 1987 | $ 536.05 | $ 131.30 | $ 667.35 | $ 327.30 | $ 537.90 | $ 109.25 | $ 647.15 |
| 1988 | | | | | | | |
| JAN | $ 60.30 | $ 13.25 | $ 73.55 | $ 328.70 | $ 64.05 | $ 8.10 | $ 72.15 |
| FEB | $ 40.90 | $ 6.75 | $ 47.65 | $ 318.80 | $ 48.10 | $ 9.45 | $ 57.55 |
| MAR | $ 47.90 | $ 14.65 | $ 62.55 | $ 312.40 | $ 61.80 | $ 7.15 | $ 68.95 |
| APR | $ 47.00 | $ 10.70 | $ 57.70 | $ 308.00 | $ 51.70 | $ 10.40 | $ 62.10 |
| MAY | $ 73.25 | $ 8.60 | $ 81.85 | $ 321.40 | $ 57.35 | $ 11.10 | $ 68.45 |
| JUN | $ 134.60 | $ 9.85 | $ 144.45 | $ 384.60 | $ 69.25 | $ 12.00 | $ 81.25 |
| JUL | $ 53.80 | $ 14.15 | $ 67.95 | $ 399.55 | $ 43.75 | $ 9.25 | $ 53.00 |
| AUG | $ 73.50 | $ 4.50 | $ 78.00 | $ 429.00 | $ 40.75 | $ 7.80 | $ 48.55 |
| SEP | $ 51.65 | $ 10.05 | $ 61.70 | $ 414.35 | $ 65.70 | $ 10.65 | $ 76.35 |
| OCT (P) | $ 40.00 | $ 6.85 | $ 46.85 | $ 394.95 | $ 55.30 | $ 10.95 | $ 66.25 |
| 10 MONTHS | $ 622.90 | $ 99.35 | $ 722.25 | | $ 557.75 | $ 96.85 | $ 654.60 |

| DATE | GROSS NEW ORDERS Domestic | Foreign | Total | CANCELLATIONS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|
| 1987 | $ 583.25 | $ 136.05 | $ 719.30 | $ 47.20 | $ 4.75 | $ 51.95 |
| 1988 | | | | | | |
| JAN | $ 61.60 | $ 13.50 | $ 75.10 | $ 1.30 | $ .25 | $ 1.55 |
| FEB | $ 44.10 | $ 6.80 | $ 50.90 | $ 3.20 | $ .05 | $ 3.25 |
| MAR | $ 49.45 | $ 15.15 | $ 64.60 | $ 1.55 | $ .50 | $ 2.05 |
| APR | $ 57.85 | $ 11.50 | $ 69.35 | $ 10.85 | $ .80 | $ 11.65 |
| MAY | $ 76.80 | $ 8.65 | $ 85.45 | $ 3.55 | $ .05 | $ 3.60 |
| JUN | $ 135.50 | $ 9.95 | $ 145.45 | $ .90 | $ .10 | $ 1.00 |
| JUL | $ 55.20 | $ 14.40 | $ 69.60 | $ 1.40 | $ .25 | $ 1.65 |
| AUG | $ 75.85 | $ 4.90 | $ 80.75 | $ 2.35 | $ .40 | $ 2.75 |
| SEP | $ 53.80 | $ 10.90 | $ 64.70 | $ 2.15 | $ .85 | $ 3.00 |
| OCT (P) | $ 45.60 | $ 6.90 | $ 52.50 | $ 5.60 | $ .05 | $ 5.65 |
| 10 MONTHS | $ 655.75 | $ 102.65 | $ 758.40 | $ 32.85 | $ 3.30 | $ 36.15 |

P - Preliminary
NOTE: This table includes industry estimate figures based on reports submitted to the NMTBA - The Association For Manufacturing Technology. These industry estimates have not been adjusted for change in the value of the dollar.

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NEWS

NMTBA
The Association For
Manufacturing Technology

FOR RELEASE: December 26, 1988
Contact: Charles Pollock

## MACHINE TOOL ORDERS UP IN NOVEMBER

Net new machine tool orders for November rose to $279.05 million, up 6.4% compared to October's $262.25 million, according to figures released today by NMTBA - The Association For Manufacturing Technology. November metal cutting machine tool orders were down 12.5% to $188.40 million, but metal forming orders rose 93.5% to $90.65 million.

Year-to-date total machine tool orders reached $3,274.45 million, 74.4% above the $1,877.40 million for the first 11 months of 1987. Year-to-date metal cutting orders are up 92.7%, standing at $2,461.55 million, and metal forming equipment orders are up 35.4%, standing at $812.90 million.

Comparing November 1988 to November 1987, total orders are up 103.2%, with metal cutting up 111.4% and metal forming up 88.1%.

James A. Gray, NMTBA president, said, "Across the board, 1988 has been a good year for the U.S. machine tool industry. Domestic orders are up 73.6% and foreign orders are up 79.9%. Both metal cutting and metal forming orders are up."

He continued, "U.S. manufacturers went through some difficult years in the mid-eighties. The exchange rate made selling overseas almost impossible. Prophets of doom saw the end of U.S manufacturing and predicted a service-only economy. This year's turnaround in the machine tool industry shows that American's can still make and sell quality products. Manufacturing is still an important part of the total U.S. economy."

(MORE)

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At $2,106.55 million, year-to-date total machine tool shipments are 3.5% above the total for the same period in 1987, with metal cutting shipments 5.9% below the 1987 figure and metal forming shipments up 26.7%.

Comparing November 1988 to November 1987, total shipments are up 44.7%, with metal cutting up 35.6% and metal forming up 66.5%.

November 1988 total shipments stood at $257.55 million, up 21.4% from October. November 1988 shipments of metal cutting equipment rose 17.1% to $170.80 million, while metal forming shipments rose 30.9% to $86.75 million.

The machine tool order backlog for November 1988 stood at $2,167.40 million, up from October's $2,145.90 million.

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EDITOR'S NOTE: NMTBA, formerly the National Machine Tool Builder's Association has changed its membership requirements. To reflect this change, its name is now NMTBA - The Association For Manufacturing Technology.

The entire structure of the industrial marketplace has permanently changed. A modern manufacturer looks at every part of the manufacturing system -- design, machining, forming, handling, assembly, inspection, testing, control and communications.

To meet these changes, NMTBA has broadened its scope, making membership available to every company that manufactures machinery, related equipment, products or software used in the process of manufacturing. Members are firms that produce and sell manufacturing machinery in the United States. Associate Members are firms that produce and sell related equipment, products or software used in manufacturing -- such as parts and components, accessories, attachments, tools and tooling, software, and engineering and design services.

## COMPARISON CHART

### NET NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

| | METAL CUTTING | | | METAL FORMING | | | TOTAL Cutting and Forming | | |
|---|---|---|---|---|---|---|---|---|---|
| | Domestic | Foreign | Total | Domestic | Foreign | Total | Domestic | Foreign | Total |
| NOV 1988 | 164.60 | 23.80 | 188.40 | 66.25 | 24.40 | 90.65 | 230.85 | 48.20 | 279.05 |
| OCT 1988 | 199.25 | 16.15 | 215.40 | 40.00 | 6.85 | 46.85 | 239.25 | 23.00 | 262.25 |
| % CHANGE | | | | | | | | | |
| NOV 1988:OCT 1988 | -17.4 | +47.4 | -12.5 | +65.6 | +256.2 | +93.5 | -3.5 | +109.6 | +6.4 |
| NOV 1987 | 65.75 | 23.35 | 89.10 | 36.35 | 11.85 | 48.20 | 102.10 | 35.20 | 137.30 |
| % CHANGE | | | | | | | | | |
| NOV 1988:NOV 1987 | +150.3 | +1.9 | +111.4 | +82.3 | +105.9 | +88.1 | +126.1 | +36.9 | +103.2 |
| YEAR TO DATE 1988 | 2,124.25 | 337.30 | 2,461.55 | 689.15 | 123.75 | 812.90 | 2,813.40 | 461.05 | 3,274.45 |
| YEAR TO DATE 1987 | 1,139.65 | 137.55 | 1,277.20 | 481.40 | 118.80 | 600.20 | 1,621.05 | 256.35 | 1,877.40 |
| % CHANGE | | | | | | | | | |
| 1988 : 1987 | +86.4 | +145.2 | +92.7 | +43.2 | +4.2 | +35.4 | +73.6 | +79.9 | +74.4 |

### SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

| | METAL CUTTING | | | METAL FORMING | | | TOTAL Cutting and Forming | | |
|---|---|---|---|---|---|---|---|---|---|
| | Domestic | Foreign | Total | Domestic | Foreign | Total | Domestic | Foreign | Total |
| NOV 1988 | 156.70 | 14.10 | 170.80 | 80.15 | 6.60 | 86.75 | 236.85 | 20.70 | 257.55 |
| OCT 1988 | 123.35 | 22.55 | 145.90 | 55.30 | 10.95 | 66.25 | 178.65 | 33.50 | 212.15 |
| % CHANGE | | | | | | | | | |
| NOV 1988:OCT 1988 | +27.0 | -37.5 | +17.1 | +44.9 | -39.7 | +30.9 | +32.6 | -38.2 | +21.4 |
| NOV 1987 | 110.20 | 15.75 | 125.95 | 38.40 | 13.70 | 52.10 | 148.60 | 29.45 | 178.05 |
| % CHANGE | | | | | | | | | |
| NOV 1988:NOV 1987 | +42.2 | -10.5 | +35.6 | +108.7 | -51.8 | +66.5 | +59.4 | -29.7 | +44.7 |
| YEAR TO DATE 1988 | 1,213.70 | 151.50 | 1,365.20 | 637.90 | 103.45 | 741.35 | 1,851.60 | 254.95 | 2,106.55 |
| YEAR TO DATE 1987 | 1,289.95 | 160.35 | 1,450.30 | 493.85 | 91.10 | 584.95 | 1,783.80 | 251.45 | 2,035.25 |
| % CHANGE | | | | | | | | | |
| 1988 : 1987 | -5.9 | -5.5 | -5.9 | +29.2 | +13.6 | +26.7 | +3.8 | +1.4 | +3.5 |

Source: NMTBA - The Association For Manufacturing Technology

**TOTAL INDUSTRY ESTIMATE**
**MACHINE TOOLS - CUTTING AND FORMING**
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

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| MAY | $ 278.90 | $ 45.80 | $ 324.70 | $1,573.60 | $ 157.60 | $ 22.10 | $ 179.70 |
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| JUL | $ 221.35 | $ 33.60 | $ 254.95 | $1,809.60 | $ 169.90 | $ 17.80 | $ 187.70 |
| AUG | $ 252.80 | $ 86.70 | $ 339.50 | $1,995.15 | $ 133.75 | $ 20.20 | $ 153.95 |
| SEP | $ 304.60 | $ 23.60 | $ 328.20 | $2,095.80 | $ 199.20 | $ 28.35 | $ 227.55 |
| OCT | $ 239.25 | $ 23.00 | $ 262.25 | $2,145.90 | $ 178.65 | $ 33.50 | $ 212.15 |
| NOV (P) | $ 230.85 | $ 48.20 | $ 279.05 | $2,167.40 | $ 236.85 | $ 20.70 | $ 257.55 |
| 11 MONTHS | $2,813.40 | $ 461.05 | $3,274.45 | | $1,851.60 | $ 254.95 | $2,106.55 |

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| 1988 | | | | | | |
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| FEB | $ 265.15 | $ 39.35 | $ 304.50 | $ 6.30 | $ .15 | $ 6.45 |
| MAR | $ 227.55 | $ 33.10 | $ 260.65 | $ 5.50 | $ .70 | $ 6.20 |
| APR | $ 208.15 | $ 62.00 | $ 270.15 | $ 14.70 | $ 2.45 | $ 17.15 |
| MAY | $ 287.20 | $ 46.10 | $ 333.30 | $ 8.30 | $ .30 | $ 8.60 |
| JUN | $ 352.35 | $ 38.95 | $ 391.30 | $ 7.10 | $ 1.40 | $ 8.50 |
| JUL | $ 227.60 | $ 34.10 | $ 261.70 | $ 6.25 | $ .50 | $ 6.75 |
| AUG | $ 262.05 | $ 88.05 | $ 350.10 | $ 9.25 | $ 1.35 | $ 10.60 |
| SEP | $ 314.25 | $ 25.30 | $ 339.55 | $ 9.65 | $ 1.70 | $ 11.35 |
| OCT | $ 255.90 | $ 24.45 | $ 280.35 | $ 16.65 | $ 1.45 | $ 18.10 |
| NOV (P) | $ 244.20 | $ 50.40 | $ 294.60 | $ 13.35 | $ 2.20 | $ 15.55 |
| 11 MONTHS | $2,913.35 | $ 474.10 | $3,387.45 | $ 99.95 | $ 13.05 | $ 113.00 |

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

**INDUSTRY ESTIMATE**
**METAL CUTTING TYPE MACHINE TOOLS**
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

| DATE | NET NEW ORDERS Domestic | Foreign | Total | Order Backlog | SHIPMENTS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|---|
| 1987 | $1,294.45 | $ 157.00 | $1,451.45 | $ 672.20 | $1,498.85 | $ 177.65 | $1,676.50 |
| 1988 | | | | | | | |
| JAN | $ 205.75 | $ 18.20 | $ 223.95 | $ 824.95 | $ 61.60 | $ 9.60 | $ 71.20 |
| FEB | $ 217.95 | $ 32.45 | $ 250.40 | $ 966.45 | $ 97.00 | $ 11.90 | $ 108.90 |
| MAR | $ 174.15 | $ 17.75 | $ 191.90 | $1,020.60 | $ 123.95 | $ 13.80 | $ 137.75 |
| APR | $ 146.45 | $ 48.85 | $ 195.30 | $1,120.60 | $ 82.20 | $ 13.10 | $ 95.30 |
| MAY | $ 205.65 | $ 37.20 | $ 242.85 | $1,252.20 | $ 100.25 | $ 11.00 | $ 111.25 |
| JUN | $ 210.65 | $ 27.70 | $ 238.35 | $1,357.75 | $ 116.00 | $ 16.80 | $ 132.80 |
| JUL | $ 167.55 | $ 19.45 | $ 187.00 | $1,410.05 | $ 126.15 | $ 8.55 | $ 134.70 |
| AUG | $ 179.30 | $ 82.20 | $ 261.50 | $1,566.15 | $ 93.00 | $ 12.40 | $ 105.40 |
| SEP | $ 252.95 | $ 13.55 | $ 266.50 | $1,681.45 | $ 133.50 | $ 17.70 | $ 151.20 |
| OCT | $ 199.25 | $ 16.15 | $ 215.40 | $1,750.95 | $ 123.35 | $ 22.55 | $ 145.90 |
| NOV (P) | $ 164.60 | $ 23.80 | $ 188.40 | $1,768.55 | $ 156.70 | $ 14.10 | $ 170.80 |
| 11 MONTHS | $2,124.25 | $ 337.30 | $2,461.55 | | $1,213.70 | $ 151.50 | $1,365.20 |

| DATE | GROSS NEW ORDERS Domestic | Foreign | Total | CANCELLATIONS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|
| 1987 | $1,365.85 | $ 167.35 | $1,533.20 | $ 71.40 | $ 10.35 | $ 81.75 |
| 1988 | | | | | | |
| JAN | $ 207.35 | $ 18.80 | $ 226.15 | $ 1.60 | $ .60 | $ 2.20 |
| FEB | $ 221.05 | $ 32.55 | $ 253.60 | $ 3.10 | $ .10 | $ 3.20 |
| MAR | $ 178.10 | $ 17.95 | $ 196.05 | $ 3.95 | $ .20 | $ 4.15 |
| APR | $ 150.30 | $ 50.50 | $ 200.80 | $ 3.85 | $ 1.65 | $ 5.50 |
| MAY | $ 210.40 | $ 37.45 | $ 247.85 | $ 4.75 | $ .25 | $ 5.00 |
| JUN | $ 216.85 | $ 29.00 | $ 245.85 | $ 6.20 | $ 1.30 | $ 7.50 |
| JUL | $ 172.40 | $ 19.70 | $ 192.10 | $ 4.85 | $ .25 | $ 5.10 |
| AUG | $ 186.20 | $ 83.15 | $ 269.35 | $ 6.90 | $ .95 | $ 7.85 |
| SEP | $ 260.45 | $ 14.40 | $ 274.85 | $ 7.50 | $ .85 | $ 8.35 |
| OCT | $ 210.30 | $ 17.55 | $ 227.85 | $ 11.05 | $ 1.40 | $ 12.45 |
| NOV (P) | $ 176.50 | $ 25.65 | $ 202.15 | $ 11.90 | $ 1.85 | $ 13.75 |
| 11 MONTHS | $2,189.90 | $ 346.70 | $2,536.60 | $ 65.65 | $ 9.40 | $ 75.05 |

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

**INDUSTRY ESTIMATE**
**METAL FORMING TYPE MACHINE TOOLS**
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

| DATE | NET NEW ORDERS Domestic | Foreign | Total | Order Backlog | SHIPMENTS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|---|
| 1987 | $ 536.05 | $ 131.30 | $ 667.35 | $ 327.30 | $ 537.90 | $ 109.25 | $ 647.15 |
| 1988 | | | | | | | |
| JAN | $ 60.30 | $ 13.25 | $ 73.55 | $ 328.70 | $ 64.05 | $ 8.10 | $ 72.15 |
| FEB | $ 40.90 | $ 6.75 | $ 47.65 | $ 318.80 | $ 48.10 | $ 9.45 | $ 57.55 |
| MAR | $ 47.90 | $ 14.65 | $ 62.55 | $ 312.40 | $ 61.80 | $ 7.15 | $ 68.95 |
| APR | $ 47.00 | $ 10.70 | $ 57.70 | $ 308.00 | $ 51.70 | $ 10.40 | $ 62.10 |
| MAY | $ 73.25 | $ 8.60 | $ 81.85 | $ 321.40 | $ 57.35 | $ 11.10 | $ 68.45 |
| JUN | $ 134.60 | $ 9.85 | $ 144.45 | $ 384.60 | $ 69.25 | $ 12.00 | $ 81.25 |
| JUL | $ 53.80 | $ 14.15 | $ 67.95 | $ 399.55 | $ 43.75 | $ 9.25 | $ 53.00 |
| AUG | $ 73.50 | $ 4.50 | $ 78.00 | $ 429.00 | $ 40.75 | $ 7.80 | $ 48.55 |
| SEP | $ 51.65 | $ 10.05 | $ 61.70 | $ 414.35 | $ 65.70 | $ 10.65 | $ 76.35 |
| OCT | $ 40.00 | $ 6.85 | $ 46.85 | $ 394.95 | $ 55.30 | $ 10.95 | $ 66.25 |
| NOV (P) | $ 66.25 | $ 24.40 | $ 90.65 | $ 398.85 | $ 80.15 | $ 6.60 | $ 86.75 |
| 11 MONTHS | $ 689.15 | $ 123.75 | $ 812.90 | | $ 637.90 | $ 103.45 | $ 741.35 |

| DATE | GROSS NEW ORDERS Domestic | Foreign | Total | CANCELLATIONS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|
| 1987 | $ 583.25 | $ 136.05 | $ 719.30 | $ 47.20 | $ 4.75 | $ 51.95 |
| 1988 | | | | | | |
| JAN | $ 61.60 | $ 13.50 | $ 75.10 | $ 1.30 | $ .25 | $ 1.55 |
| FEB | $ 44.10 | $ 6.80 | $ 50.90 | $ 3.20 | $ .05 | $ 3.25 |
| MAR | $ 49.45 | $ 15.15 | $ 64.60 | $ 1.55 | $ .50 | $ 2.05 |
| APR | $ 57.85 | $ 11.50 | $ 69.35 | $ 10.85 | $ .80 | $ 11.65 |
| MAY | $ 76.80 | $ 8.65 | $ 85.45 | $ 3.55 | $ .05 | $ 3.60 |
| JUN | $ 135.50 | $ 9.95 | $ 145.45 | $ .90 | $ .10 | $ 1.00 |
| JUL | $ 55.20 | $ 14.40 | $ 69.60 | $ 1.40 | $ .25 | $ 1.65 |
| AUG | $ 75.85 | $ 4.90 | $ 80.75 | $ 2.35 | $ .40 | $ 2.75 |
| SEP | $ 53.80 | $ 10.90 | $ 64.70 | $ 2.15 | $ .85 | $ 3.00 |
| OCT | $ 45.60 | $ 6.90 | $ 52.50 | $ 5.60 | $ .05 | $ 5.65 |
| NOV (P) | $ 67.70 | $ 24.75 | $ 92.45 | $ 1.45 | $ .35 | $ 1.80 |
| 11 MONTHS | $ 723.45 | $ 127.40 | $ 850.85 | $ 34.30 | $ 3.65 | $ 37.95 |

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

48620-1
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NEWS

NMTBA
The Association For
Manufacturing Technology

FOR RELEASE: January 30, 1989
Contact: Charles Pollock

## Machine Tool Orders Up 69.5% In 1988

Total machine tool orders for 1988 reached $3,590.80 million, up 69.5% compared to 1987's $2,118.80 million according to figures released today by NMTBA – The Association For Manufacturing Technology. Metal cutting machine tool orders were up 86.6% for the year, topping out at $2,707.85 million, while metal forming orders reached $882.95 million, up 32.3% for the year.

Compared to November, December 1988 total machine tool orders were up 13.4%, reaching $316.40 million. Metal cutting orders rose 30.8%, to $246.35 million, while metal forming fell 22.7% to $70.05 million. Comparing December 1988 to December 1987, total machine tool orders were up 31.1%, with metal cutting up 41.4% and metal forming up 4.3%.

James A. Gray, NMTBA President, said, "A year ago, with 1987 closing on a high note after a year of wide fluctuations in monthly orders, I said we looked forward to 1988 with 'cautious optimism.' And indeed, 1988 has turned out to be a very good year for our industry. Both metal cutting and metal forming orders are up. Domestic and foreign orders closed out the year well ahead of 1987. Foreign metal cutting orders reached $392.15 million, up 149.8% for the year. Total orders have not been this high since 1980."

"We hope that the new administration continues the policies that have made this recovery possible for our industry. Tax laws must be conducive to the kind of investment necessary to keep American businesses growing. Trade policy must push us in the direction of importing less and exporting more. American consumers are being told they must tighten their belts,

(more)

7901 WESTPARK DRIVE, McLEAN, VIRGINIA 22102-4269 / PHONE (703) 893-2900 / TLX: 353819 / FAX (703)893-1151

save more, spend less, work harder. The machine tool industry has done just that. And we remain cautiously optimistic that work and planning will continue to pay off in 1989."

At $2,399.05 million, total machine tool shipments for 1988 were 3.2% ahead of 1987, with metal cutting machine tool shipments down 6.1%, and metal forming shipments up 27.4%. Comparing December 1988 to December 1987, total shipments were up 1.4%, with metal cutting down 7.4% and metal forming up 33.7%.

December 1988 total shipments stood at $292.50 million, up 13.6% compared to the previous month. December 1988 shipments of metal cutting equipment rose 22.6% to $209.35 million, while metal forming shipments fell 4.1% to $83.15 million.

The machine tool order backlog for December 1988 stood at $2,191.25 million, up from November's $2,167.35 million.

# # #

## COMPARISON CHART

### NET NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

| | METAL CUTTING | | | METAL FORMING | | | TOTAL Cutting and Forming | | |
|---|---|---|---|---|---|---|---|---|---|
| | Domestic | Foreign | Total | Domestic | Foreign | Total | Domestic | Foreign | Total |
| DEC 1988 | 191.45 | 54.90 | 246.35 | 60.20 | 9.85 | 70.05 | 251.65 | 64.75 | 316.40 |
| NOV 1988 | 164.60 | 23.75 | 188.35 | 66.25 | 24.40 | 90.65 | 230.85 | 48.15 | 279.00 |
| % CHANGE | | | | | | | | | |
| DEC 1988:NOV 1988 | +16.3 | +131.2 | +30.8 | -9.1 | -59.6 | -22.7 | +9.0 | +34.5 | +13.4 |
| DEC 1987 | 154.80 | 19.45 | 174.25 | 54.65 | 12.50 | 67.15 | 209.45 | 31.95 | 241.40 |
| % CHANGE | | | | | | | | | |
| DEC 1988:DEC 1987 | +23.7 | +182.3 | +41.4 | +10.2 | -21.2 | +4.3 | +20.1 | +102.7 | +31.1 |
| YEAR TO DATE 1988 | 2,315.70 | 392.15 | 2,707.85 | 749.35 | 133.60 | 882.95 | 3,065.05 | 525.75 | 3,590.80 |
| YEAR TO DATE 1987 | 1,294.45 | 157.00 | 1,451.45 | 536.05 | 131.30 | 667.35 | 1,830.50 | 288.30 | 2,118.80 |
| % CHANGE | | | | | | | | | |
| 1988 : 1987 | +78.9 | +149.8 | +86.6 | +39.8 | +1.8 | +32.3 | +67.4 | +82.4 | +69.5 |

### SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

| | METAL CUTTING | | | METAL FORMING | | | TOTAL Cutting and Forming | | |
|---|---|---|---|---|---|---|---|---|---|
| | Domestic | Foreign | Total | Domestic | Foreign | Total | Domestic | Foreign | Total |
| DEC 1988 | 186.40 | 22.95 | 209.35 | 64.30 | 18.85 | 83.15 | 250.70 | 41.80 | 292.50 |
| NOV 1988 | 156.70 | 14.10 | 170.80 | 80.15 | 6.60 | 86.75 | 236.85 | 20.70 | 257.55 |
| % CHANGE | | | | | | | | | |
| DEC 1988:NOV 1988 | +19.0 | +62.8 | +22.6 | -19.8 | +185.6 | -4.1 | +5.8 | +101.9 | +13.6 |
| DEC 1987 | 208.90 | 17.30 | 226.20 | 44.05 | 18.15 | 62.20 | 252.95 | 35.45 | 288.40 |
| % CHANGE | | | | | | | | | |
| DEC 1988:DEC 1987 | -10.8 | +32.7 | -7.4 | +46.0 | +3.9 | +33.7 | -0.9 | +17.9 | +1.4 |
| YEAR TO DATE 1988 | 1,400.10 | 174.45 | 1,574.55 | 702.20 | 122.30 | 824.50 | 2,102.30 | 296.75 | 2,399.05 |
| YEAR TO DATE 1987 | 1,498.85 | 177.65 | 1,676.50 | 537.90 | 109.25 | 647.15 | 2,036.75 | 286.90 | 2,323.65 |
| % CHANGE | | | | | | | | | |
| 1988 : 1987 | -6.6 | -1.8 | -6.1 | +30.5 | +11.9 | +27.4 | +3.2 | +3.4 | +3.2 |

Source: NMTBA - The Association For Manufacturing Technology

**TOTAL INDUSTRY ESTIMATE**
**MACHINE TOOLS - CUTTING AND FORMING**
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

| DATE | NET NEW ORDERS Domestic | Foreign | Total | Order Backlog | SHIPMENTS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|---|
| 1987 | $1,830.50 | $ 288.30 | $2,118.80 | $ 999.50 | $2,036.75 | $ 286.90 | $2,323.65 |
| 1988 | | | | | | | |
| JAN | $ 266.05 | $ 31.45 | $ 297.50 | $1,153.65 | $ 125.65 | $ 17.70 | $ 143.35 |
| FEB | $ 258.85 | $ 39.20 | $ 298.05 | $1,285.25 | $ 145.10 | $ 21.35 | $ 166.45 |
| MAR | $ 222.05 | $ 32.40 | $ 254.45 | $1,333.00 | $ 185.75 | $ 20.95 | $ 206.70 |
| APR | $ 193.45 | $ 59.55 | $ 253.00 | $1,428.60 | $ 133.90 | $ 23.50 | $ 157.40 |
| MAY | $ 278.90 | $ 45.80 | $ 324.70 | $1,573.60 | $ 157.60 | $ 22.10 | $ 179.70 |
| JUN | $ 345.25 | $ 37.55 | $ 382.80 | $1,742.35 | $ 185.25 | $ 28.80 | $ 214.05 |
| JUL | $ 221.35 | $ 33.60 | $ 254.95 | $1,809.60 | $ 169.90 | $ 17.80 | $ 187.70 |
| AUG | $ 252.80 | $ 86.70 | $ 339.50 | $1,995.15 | $ 133.75 | $ 20.20 | $ 153.95 |
| SEP | $ 304.60 | $ 23.60 | $ 328.20 | $2,095.80 | $ 199.20 | $ 28.35 | $ 227.55 |
| OCT | $ 239.25 | $ 23.00 | $ 262.25 | $2,145.90 | $ 178.65 | $ 33.50 | $ 212.15 |
| NOV | $ 230.85 | $ 48.15 | $ 279.00 | $2,167.35 | $ 236.85 | $ 20.70 | $ 257.55 |
| DEC (P) | $ 251.65 | $ 64.75 | $ 316.40 | $2,191.25 | $ 250.70 | $ 41.80 | $ 292.50 |
| 12 MONTHS | $3,065.05 | $ 525.75 | $3,590.80 | | $2,102.30 | $ 296.75 | $2,399.05 |

| DATE | GROSS NEW ORDERS Domestic | Foreign | Total | CANCELLATIONS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|
| 1987 | $1,949.10 | $ 303.40 | $2,252.50 | $ 118.60 | $ 15.10 | $ 133.70 |
| 1988 | | | | | | |
| JAN | $ 268.95 | $ 32.30 | $ 301.25 | $ 2.90 | $ .85 | $ 3.75 |
| FEB | $ 265.15 | $ 39.35 | $ 304.50 | $ 6.30 | $ .15 | $ 6.45 |
| MAR | $ 227.55 | $ 33.10 | $ 260.65 | $ 5.50 | $ .70 | $ 6.20 |
| APR | $ 208.15 | $ 62.00 | $ 270.15 | $ 14.70 | $ 2.45 | $ 17.15 |
| MAY | $ 287.20 | $ 46.10 | $ 333.30 | $ 8.30 | $ .30 | $ 8.60 |
| JUN | $ 352.35 | $ 38.95 | $ 391.30 | $ 7.10 | $ 1.40 | $ 8.50 |
| JUL | $ 227.60 | $ 34.10 | $ 261.70 | $ 6.25 | $ .50 | $ 6.75 |
| AUG | $ 262.05 | $ 88.05 | $ 350.10 | $ 9.25 | $ 1.35 | $ 10.60 |
| SEP | $ 314.25 | $ 25.30 | $ 339.55 | $ 9.65 | $ 1.70 | $ 11.35 |
| OCT | $ 255.90 | $ 24.45 | $ 280.35 | $ 16.65 | $ 1.45 | $ 18.10 |
| NOV | $ 244.25 | $ 50.65 | $ 294.90 | $ 13.40 | $ 2.50 | $ 15.90 |
| DEC (P) | $ 266.80 | $ 67.40 | $ 334.20 | $ 15.15 | $ 2.65 | $ 17.80 |
| 12 MONTHS | $3,180.20 | $ 541.75 | $3,721.95 | $ 115.15 | $ 16.00 | $ 131.15 |

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

**INDUSTRY ESTIMATE**
**METAL CUTTING TYPE MACHINE TOOLS**
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

| DATE | NET NEW ORDERS Domestic | Foreign | Total | Order Backlog | SHIPMENTS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|---|
| 1987 | $1,294.45 | $ 157.00 | $1,451.45 | $ 672.20 | $1,498.85 | $ 177.65 | $1,676.50 |
| 1988 | | | | | | | |
| JAN | $ 205.75 | $ 18.20 | $ 223.95 | $ 824.95 | $ 61.60 | $ 9.60 | $ 71.20 |
| FEB | $ 217.95 | $ 32.45 | $ 250.40 | $ 966.45 | $ 97.00 | $ 11.90 | $ 108.90 |
| MAR | $ 174.1$ | $ 17.75 | $ 191.90 | $1,020.60 | $ 123.95 | $ 13.80 | $ 137.75 |
| APR | $ 146.45 | $ 48.85 | $ 195.30 | $1,120.60 | $ 82.20 | $ 13.10 | $ 95.30 |
| MAY | $ 205.65 | $ 37.20 | $ 242.85 | $1,252.20 | $ 100.25 | $ 11.00 | $ 111.25 |
| JUN | $ 210.65 | $ 27.70 | $ 238.35 | $1,357.75 | $ 116.00 | $ 16.80 | $ 132.80 |
| JUL | $ 167.55 | $ 19.45 | $ 187.00 | $1,410.05 | $ 126.15 | $ 8.55 | $ 134.70 |
| AUG | $ 179.30 | $ 82.20 | $ 261.50 | $1,566.15 | $ 93.00 | $ 12.40 | $ 105.40 |
| SEP | $ 252.95 | $ 13.55 | $ 266.50 | $1,681.45 | $ 133.50 | $ 17.70 | $ 151.20 |
| OCT | $ 199.25 | $ 16.15 | $ 215.40 | $1,750.95 | $ 123.35 | $ 22.55 | $ 145.90 |
| NOV | $ 164.60 | $ 23.75 | $ 188.35 | $1,768.50 | $ 156.70 | $ 14.10 | $ 170.80 |
| DEC (P) | $ 191.45 | $ 54.90 | $ 246.35 | $1,805.50 | $ 186.40 | $ 22.95 | $ 209.35 |
| 12 MONTHS | $2,315.70 | $ 392.15 | $2,707.85 | | $1,400.10 | $ 174.45 | $1,574.55 |

| DATE | GROSS NEW ORDERS Domestic | Foreign | Total | CANCELLATIONS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|
| 1987 | $1,365.85 | $ 167.35 | $1,533.20 | $ 71.40 | $ 10.35 | $ 81.75 |
| 1988 | | | | | | |
| JAN | $ 207.35 | $ 18.80 | $ 226.15 | $ 1.60 | $ .60 | $ 2.20 |
| FEB | $ 221.05 | $ 32.55 | $ 253.60 | $ 3.10 | $ .09 | $ 3.20 |
| MAR | $ 178.10 | $ 17.95 | $ 196.05 | $ 3.95 | $ .20 | $ 4.15 |
| APR | $ 150.30 | $ 50.50 | $ 200.80 | $ 3.85 | $ 1.65 | $ 5.50 |
| MAY | $ 210.40 | $ 37.45 | $ 247.85 | $ 4.75 | $ .25 | $ 5.00 |
| JUN | $ 216.85 | $ 29.00 | $ 245.85 | $ 6.20 | $ 1.30 | $ 7.50 |
| JUL | $ 172.40 | $ 19.70 | $ 192.10 | $ 4.85 | $ .25 | $ 5.10 |
| AUG | $ 186.20 | $ 83.15 | $ 269.35 | $ 6.90 | $ .95 | $ 7.85 |
| SEP | $ 260.45 | $ 14.40 | $ 274.85 | $ 7.50 | $ .85 | $ 8.35 |
| OCT | $ 210.30 | $ 17.55 | $ 227.85 | $ 11.05 | $ 1.40 | $ 12.45 |
| NOV | $ 176.55 | $ 25.90 | $ 202.45 | $ 11.95 | $ 2.15 | $ 14.10 |
| DEC (P) | $ 202.00 | $ 56.35 | $ 258.35 | $ 10.55 | $ 1.45 | $ 12.00 |
| 12 MONTHS | $2,391.95 | $ 403.30 | $2,795.25 | $ 76.25 | $ 11.15 | $ 87.40 |

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

**INDUSTRY ESTIMATE**
**METAL FORMING TYPE MACHINE TOOLS**
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

| DATE | NET NEW ORDERS Domestic | Foreign | Total | Order Backlog | SHIPMENTS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|---|
| 1987 | $ 536.05 | $ 131.30 | $ 667.35 | $ 327.30 | $ 537.90 | $ 109.25 | $ 647.15 |
| 1988 | | | | | | | |
| JAN | $ 60.30 | $ 13.25 | $ 73.55 | $ 328.70 | $ 64.05 | $ 8.10 | $ 72.15 |
| FEB | $ 40.90 | $ 6.75 | $ 47.65 | $ 318.80 | $ 48.10 | $ 9.45 | $ 57.55 |
| MAR | $ 47.90 | $ 14.65 | $ 62.55 | $ 312.40 | $ 61.80 | $ 7.15 | $ 68.95 |
| APR | $ 47.00 | $ 10.70 | $ 57.70 | $ 308.00 | $ 51.70 | $ 10.40 | $ 62.10 |
| MAY | $ 73.25 | $ 8.60 | $ 81.85 | $ 321.40 | $ 57.35 | $ 11.10 | $ 68.45 |
| JUN | $ 134.60 | $ 9.85 | $ 144.45 | $ 384.60 | $ 69.25 | $ 12.00 | $ 81.25 |
| JUL | $ 53.80 | $ 14.15 | $ 67.95 | $ 399.55 | $ 43.75 | $ 9.25 | $ 53.00 |
| AUG | $ 73.50 | $ 4.50 | $ 78.00 | $ 429.00 | $ 40.75 | $ 7.80 | $ 48.55 |
| SEP | $ 51.65 | $ 10.05 | $ 61.70 | $ 414.35 | $ 65.70 | $ 10.65 | $ 76.35 |
| OCT | $ 40.00 | $ 6.85 | $ 46.85 | $ 394.95 | $ 55.30 | $ 10.95 | $ 66.25 |
| NOV | $ 66.25 | $ 24.40 | $ 90.65 | $ 398.85 | $ 80.15 | $ 6.60 | $ 86.75 |
| DEC (P) | $ 60.20 | $ 9.85 | $ 70.05 | $ 385.75 | $ 64.30 | $ 18.85 | $ 83.15 |
| 12 MONTHS | $ 749.35 | $ 133.60 | $ 882.95 | | $ 702.20 | $ 122.30 | $ 824.50 |

| DATE | GROSS NEW ORDERS Domestic | Foreign | Total | CANCELLATIONS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|
| 1987 | $ 583.25 | $ 136.05 | $ 719.30 | $ 47.20 | $ 4.75 | $ 51.95 |
| 1988 | | | | | | |
| JAN | $ 61.60 | $ 13.50 | $ 75.10 | $ 1.30 | $ .25 | $ 1.55 |
| FEB | $ 44.10 | $ 6.80 | $ 50.90 | $ 3.20 | $ .05 | $ 3.25 |
| MAR | $ 49.45 | $ 15.15 | $ 64.60 | $ 1.55 | $ .50 | $ 2.05 |
| APR | $ 57.85 | $ 11.50 | $ 69.35 | $ 10.85 | $ .80 | $ 11.65 |
| MAY | $ 76.80 | $ 8.65 | $ 85.45 | $ 3.55 | $ .05 | $ 3.60 |
| JUN | $ 135.50 | $ 9.95 | $ 145.45 | $ .90 | $ .10 | $ 1.00 |
| JUL | $ 55.20 | $ 14.40 | $ 69.60 | $ 1.40 | $ .25 | $ 1.65 |
| AUG | $ 75.85 | $ 4.90 | $ 80.75 | $ 2.35 | $ .40 | $ 2.75 |
| SEP | $ 53.80 | $ 10.90 | $ 64.70 | $ 2.15 | $ .85 | $ 3.00 |
| OCT | $ 45.60 | $ 6.90 | $ 52.50 | $ 5.60 | $ .05 | $ 5.65 |
| NOV | $ 67.70 | $ 24.75 | $ 92.45 | $ 1.45 | $ .35 | $ 1.80 |
| DEC (P) | $ 64.80 | $ 11.05 | $ 75.85 | $ 4.60 | $ 1.20 | $ 5.80 |
| 12 MONTHS | $ 788.25 | $ 138.45 | $ 926.70 | $ 38.90 | $ 4.85 | $ 43.75 |

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

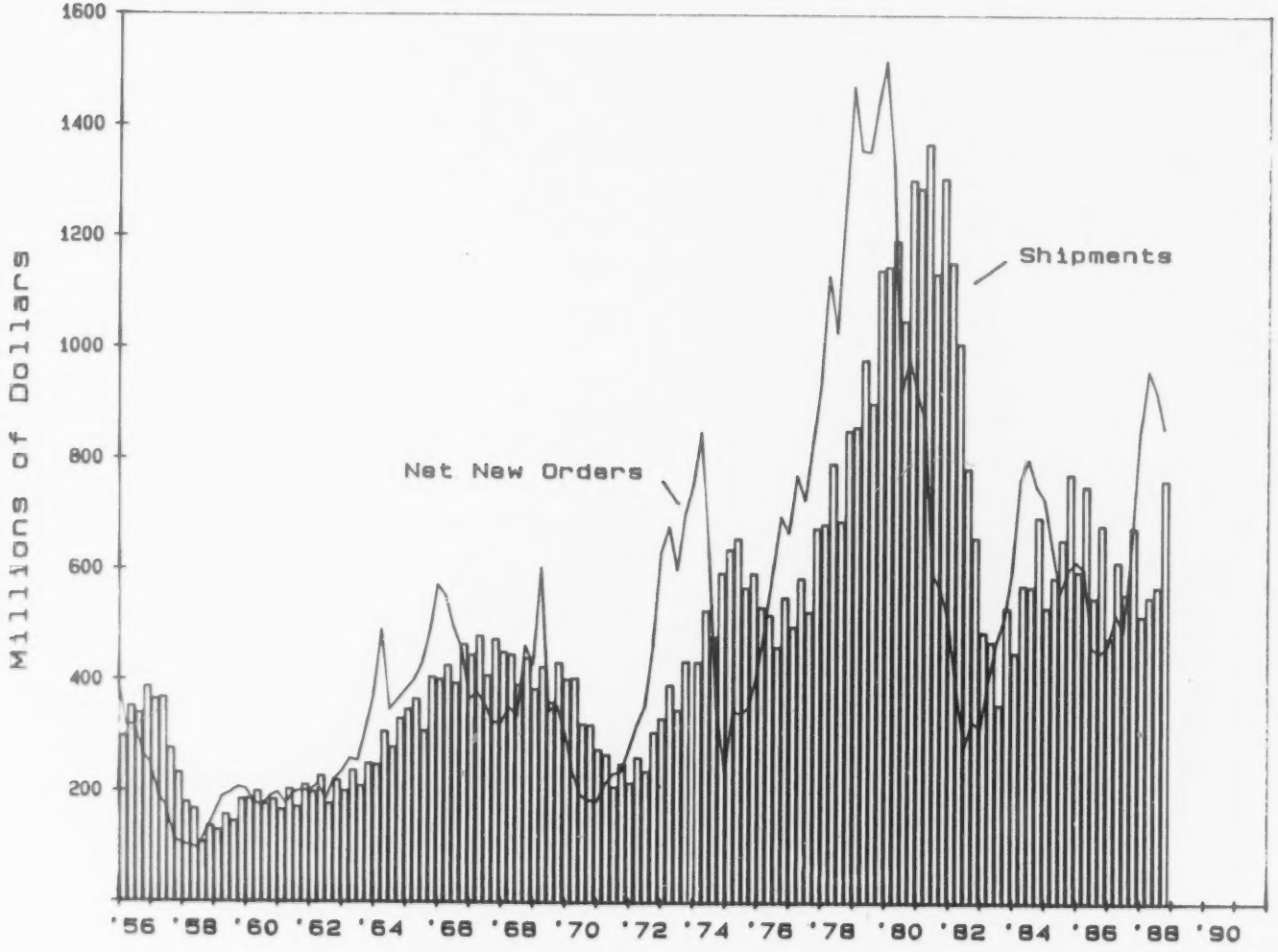
QUARTERLY AND YEARLY SHIPMENTS AND NET NEW ORDERS OF MACHINE TOOLS
(Dollar Figures in Thousands)
1982 to Date

| | Cutting and Forming | | | Cutting | | | Forming | | |
|---|---|---|---|---|---|---|---|---|---|
| | SHIPMENTS | | NET | SHIPMENTS | | NET | SHIPMENTS | | NET |
| DATE | Total | Foreign | NEW ORDERS | Total | Foreign | NEW ORDERS | Total | Foreign | NEW ORDERS |
| 1982-1 | $1,154,200 | $112,650 | $ 506,800 | $ 933,050 | $ 71,750 | $ 384,850 | $ 221,150 | $ 40,900 | $ 121,950 |
| 2 | 1,008,450 | 96,600 | 382,650 | 810,650 | 75,350 | 274,750 | 197,800 | 21,250 | 107,900 |
| 3 | 783,400 | 107,200 | 279,950 | 640,450 | 89,750 | 183,450 | 142,950 | 17,450 | 96,500 |
| 4 | 658,350 | 89,600 | 328,350 | 510,600 | 59,300 | 221,400 | 147,750 | 30,300 | 106,950 |
| Total | $3,604,400 | $406,050 | $1,497,750 | $2,894,750 | $296,150 | $1,064,450 | $ 709,650 | $ 109,900 | $ 433,300 |
| 1983-1 | $ 487,450 | $ 56,650 | $ 314,850 | $ 370,600 | $ 40,800 | $ 224,100 | $ 116,850 | $ 15,850 | $ 90,750 |
| 2 | 469,650 | 58,300 | 399,100 | 357,500 | 49,300 | 269,300 | 112,150 | 9,000 | 129,800 |
| 3 | 357,050 | 42,900 | 468,150 | 252,350 | 32,200 | 322,200 | 104,700 | 10,700 | 145,950 |
| 4 | 530,900 | 57,150 | 514,050 | 391,050 | 49,600 | 336,050 | 139,850 | 7,550 | 178,000 |
| Total | $1,845,050 | $215,000 | $1,696,150 | $1,371,500 | $171,900 | $1,151,650 | $ 473,550 | $ 43,100 | $ 544,500 |
| 1984-1 | $ 449,500 | $ 40,550 | $ 600,450 | $ 298,100 | $ 25,100 | $ 412,750 | $ 151,400 | $ 15,450 | $ 187,700 |
| 2 | 572,300 | 50,700 | 764,400 | 401,800 | 28,250 | 499,200 | 170,500 | 22,450 | 265,200 |
| 3 | 568,850 | 41,850 | 800,200 | 401,550 | 24,300 | 493,000 | 167,300 | 17,550 | 307,200 |
| 4 | 695,200 | 60,150 | 750,750 | 505,050 | 45,000 | 510,850 | 190,150 | 15,150 | 239,900 |
| Total | $2,285,850 | $193,250 | $2,915,800 | $1,606,500 | $122,650 | $1,915,800 | $ 679,350 | $ 70,600 | $1,000,000 |
| 1985-1 | $ 531,700 | $ 48,950 | $ 728,250 | $ 357,050 | $ 37,150 | $ 528,500 | $ 174,650 | $ 11,800 | $ 199,750 |
| 2 | 586,050 | 37,700 | 641,400 | 385,000 | 27,450 | 475,700 | 201,050 | 10,250 | 165,700 |
| 3 | 654,650 | 58,250 | 558,450 | 443,050 | 35,950 | 404,750 | 211,600 | 22,300 | 153,700 |
| 4 | 772,800 | 108,850 | 600,000 | 557,150 | 93,200 | 444,150 | 215,650 | 15,650 | 155,850 |
| Total | $2,545,200 | $253,750 | $2,528,100 | $1,742,250 | $193,750 | $1,853,100 | $ 802,950 | $ 60,000 | $ 675,000 |
| 1986-1 | $ 597,300 | $ 67,500 | $ 615,750 | $ 386,950 | $ 55,200 | $ 463,500 | $ 210,350 | $ 12,300 | $ 152,250 |
| 2 | 751,000 | 64,100 | 600,600 | 569,350 | 49,500 | 434,650 | 181,650 | 14,600 | 165,950 |
| 3 | 549,350 | 64,200 | 459,650 | 418,700 | 49,500 | 344,050 | 130,650 | 14,700 | 115,600 |
| 4 | 680,850 | 76,650 | 449,300 | 515,300 | 51,400 | 302,050 | 165,550 | 25,250 | 147,250 |
| Total | $2,578,500 | $272,450 | $2,125,300 | $1,890,300 | $205,600 | $1,544,250 | $ 688,200 | $ 66,850 | $ 581,050 |
| 1987-1 | $ 476,800 | $ 55,950 | $ 463,700 | $ 349,150 | $ 38,050 | $ 326,100 | $ 127,650 | $ 17,900 | $ 137,600 |
| 2 | 614,100 | 71,300 | 521,150 | 442,600 | 46,300 | 339,300 | 171,500 | 25,000 | 181,850 |
| 3 | 556,650 | 66,300 | 487,850 | 397,750 | 43,350 | 324,550 | 158,900 | 22,950 | 163,300 |
| 4 | 676,100 | 93,350 | 646,100 | 487,000 | 49,950 | 461,500 | 189,100 | 43,400 | 184,600 |
| Total | $2,323,650 | $286,900 | $2,118,800 | $1,676,500 | $177,650 | $1,451,450 | $ 647,150 | $ 109,250 | $ 667,350 |
| 1988-1 | $ 516,500 | $ 60,000 | $ 850,000 | $ 317,850 | $ 35,300 | $ 666,250 | $ 198,650 | $ 24,700 | $ 183,750 |
| 2 | 551,150 | 74,400 | 960,500 | 339,350 | 40,900 | 676,500 | 211,800 | 33,500 | 284,000 |
| 3 | 569,200 | 66,350 | 922,650 | 391,300 | 38,650 | 715,000 | 177,900 | 27,700 | 207,650 |
| 4P | 762,200 | 96,000 | 857,650 | 526,050 | 59,600 | 650,100 | 236,150 | 36,400 | 207,550 |
| Total | $2,399,050 | $296,750 | $3,590,800 | $1,574,550 | $174,450 | $2,707,850 | $ 824,500 | $ 122,300 | $ 882,950 |

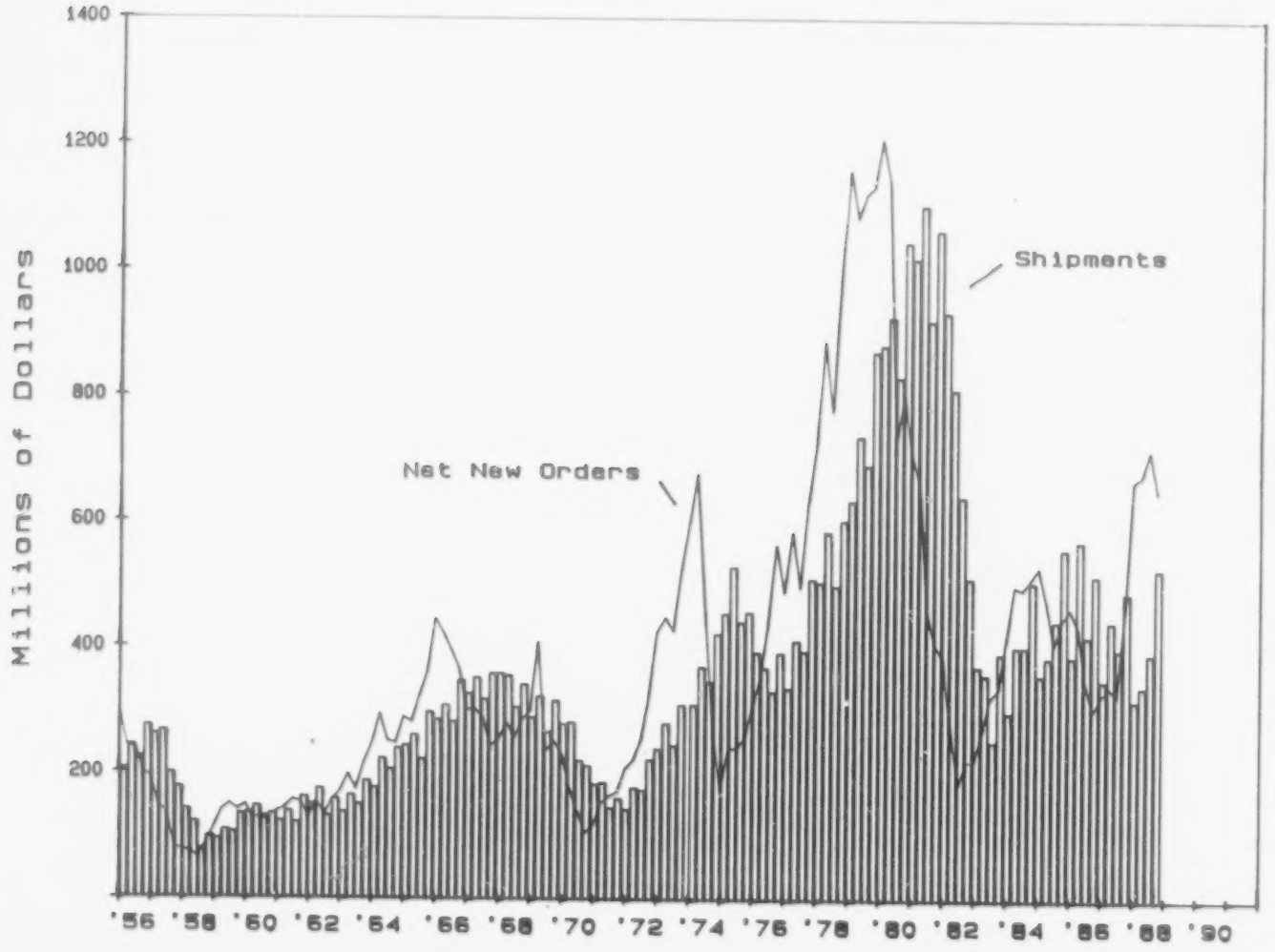
P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

January 20, 1989

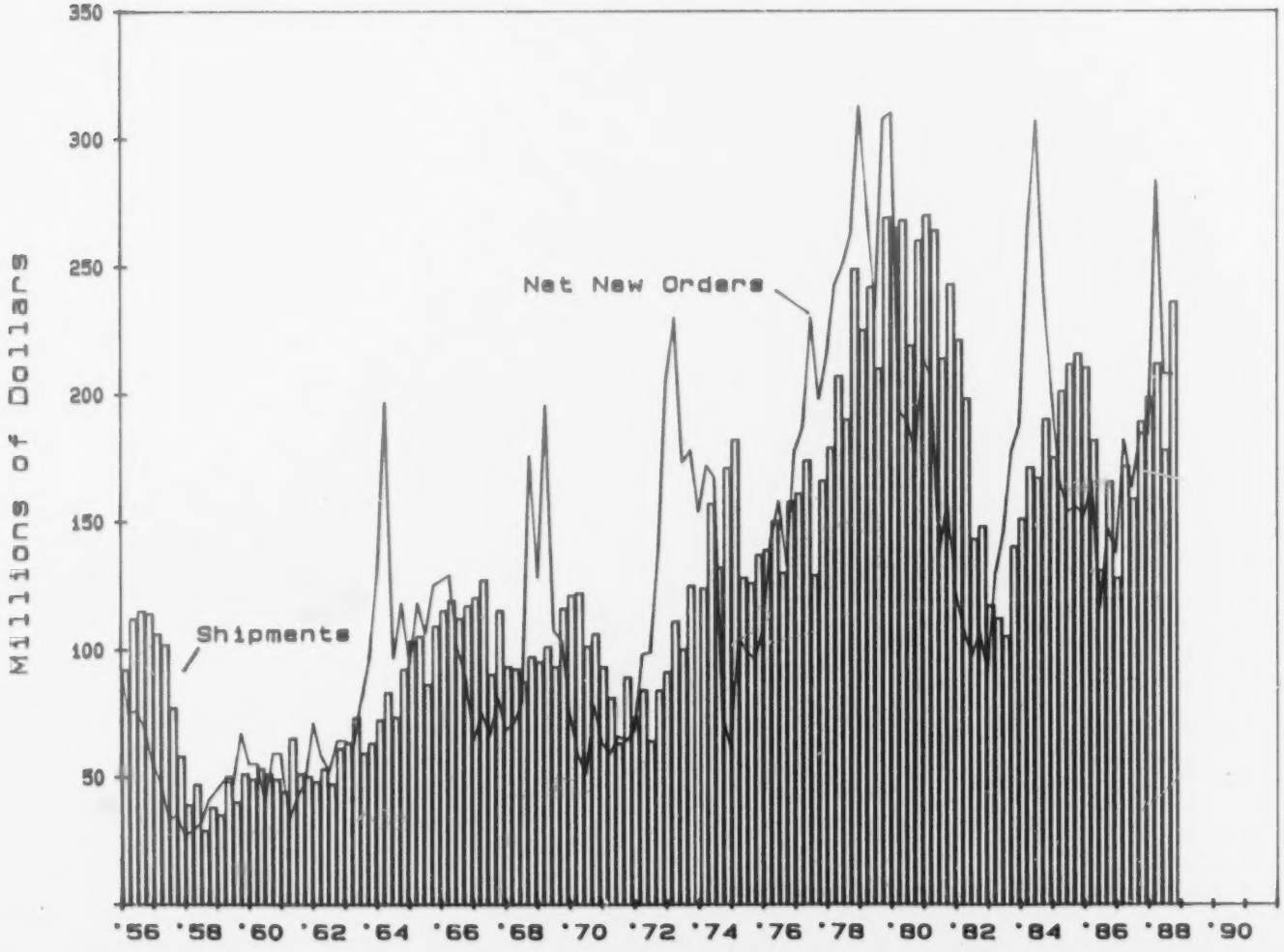
# Total Machine Tools
## Shipments (Bar) and Net New Orders (Line)
## Quarterly, 1956: 1 to 1988: 4



# Metal Cutting Machine Tools
## Shipments (Bar) and Net New Orders (Line)
## Quarterly, 1956: 1 to 1988: 4



# Metal Forming Machine Tools
## Shipments (Bar) and Net New Orders (Line)
## Quarterly, 1956: 1 to 1988: 4



A8620-1
2/25/89

NEWS

NMTBA
The Association For
Manufacturing Technology

FOR RELEASE: February 27, 1989
Contact: Charles Pollock

## January Machine Tool Orders Down

January machine tool orders fell to $230.85 million, down 27.1% compared to December's $316.45 million, according to figures released today by NMTBA – The Association For Manufacturing Technology. Metal cutting machine tool orders were down 32.2% to $167.00 million, while metal forming orders fell 8.9% to $63.85 million.

Compared to January a year ago, total orders were down 22.4%, with metal cutting orders off 25.4% and metal forming off 13.2%.

NMTBA's new president, Albert W. Moore, said, "Nineteen eighty–eight was a very good year for our industry. We saw a turnaround after several difficult years. Total orders were the highest they've been since 1980. Although January orders have shown a decline, we remain confident that the industry is back on the right track. We have a new Administration at the helm in Washington and it is not unusual for business investors to sit back and take a look at things during a transitional period. Manufacturers both here and abroad are watching the as yet unknown Bush Administration."

He continued, "One thing is very clear, Americans must import less and export more. This is as true of capital equipment as it is of automobiles and televisions. It is crucial to American manufacturers that their government's policies help -- and not hinder — them as they move ever more aggressively into world markets."

(more)

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January shipments fell to $152.20 million, down 48.0% compared to December. Metal cutting shipments were down 50.9%, while metal forming shipments fell 40.7%. This month–to–month decline reflects the usual year–end surge in shipments.

Compared to January a year ago, total shipments were up 6.2%, with metal cutting shipments up 44.5% and metal forming down 31.6%.

The machine tool order backlog for January 1989 stood at $2,269.90 million, up from the $2,191.25 million figure at the close of 1988.

# # #

## COMPARISON CHART

### NET NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

| | METAL CUTTING | | | METAL FORMING | | | TOTAL Cutting and Forming | | |
|---|---|---|---|---|---|---|---|---|---|
| | Domestic | Foreign | Total | Domestic | Foreign | Total | Domestic | Foreign | Total |
| JAN 1989 | 145.45 | 21.55 | 167.00 | 56.60 | 7.25 | 63.85 | 202.05 | 28.80 | 230.85 |
| DEC 1988 | 191.50 | 54.90 | 246.40 | 60.20 | 9.85 | 70.05 | 251.70 | 64.75 | 316.45 |
| % CHANGE JAN 1989:DEC 1988 | -24.0 | -60.7 | -32.2 | -6.0 | -26.4 | -8.9 | -19.7 | -55.5 | -27.1 |
| JAN 1988 | 205.75 | 18.20 | 223.95 | 60.30 | 13.25 | 73.55 | 266.05 | 31.45 | 297.50 |
| % CHANGE JAN 1989:JAN 1988 | -29.3 | +18.4 | -25.4 | -6.1 | -45.3 | -13.2 | -24.1 | -8.4 | -22.4 |
| YEAR TO DATE 1989 | | | | | | | | | |
| YEAR TO DATE 1988 | | N/A | | | N/A | | | N/A | |
| % CHANGE 1989 : 1988 | | | | | | | | | |

### SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

| | METAL CUTTING | | | METAL FORMING | | | TOTAL Cutting and Forming | | |
|---|---|---|---|---|---|---|---|---|---|
| | Domestic | Foreign | Total | Domestic | Foreign | Total | Domestic | Foreign | Total |
| JAN 1989 | 89.50 | 13.35 | 102.85 | 42.20 | 7.15 | 49.35 | 131.70 | 20.50 | 152.20 |
| DEC 1988 | 186.40 | 22.95 | 209.35 | 64.30 | 18.90 | 83.20 | 250.70 | 41.85 | 292.55 |
| % CHANGE JAN 1989:DEC 1988 | -52.0 | -41.8 | -50.9 | -34.4 | -62.2 | -40.7 | -47.5 | -51.0 | -48.0 |
| JAN 1988 | 61.60 | 9.60 | 71.20 | 64.05 | 8.10 | 72.15 | 125.65 | 17.70 | 143.35 |
| % CHANGE JAN 1989:JAN 1988 | +45.3 | +39.1 | +44.5 | -34.1 | -11.7 | -31.6 | +4.8 | +15.8 | +6.2 |
| YEAR TO DATE 1989 | | | | | | | | | |
| YEAR TO DATE 1988 | | N/A | | | N/A | | | N/A | |
| % CHANGE 1989 : 1988 | | | | | | | | | |

Source: NMTBA - The Association For Manufacturing Technology

**TOTAL INDUSTRY ESTIMATE**
**MACHINE TOOLS - CUTTING AND FORMING**
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

| DATE | NET NEW ORDERS Domestic | Foreign | Total | Order Backlog | SHIPMENTS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|---|
| 1988 | $3,065.10 | $ 525.75 | $3,590.85 | $2,191.25 | $2,102.30 | $ 296.80 | $2,399.10 |
| 1989 | | | | | | | |
| JAN (P) | $ 202.05 | $ 28.80 | $ 230.85 | $2,269.90 | $ 131.70 | $ 20.50 | $ 152.20 |

| DATE | GROSS NEW ORDERS Domestic | Foreign | Total | CANCELLATIONS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|
| 1988 | $3,180.25 | $ 541.75 | $3,722.00 | $ 115.15 | $ 16.00 | $ 131.15 |
| 1989 | | | | | | |
| JAN (P) | $ 211.60 | $ 29.80 | $ 241.40 | $ 9.55 | $ 1.00 | $ 10.55 |

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

**INDUSTRY ESTIMATE**
**METAL FORMING TYPE MACHINE TOOLS**
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

| DATE | NET NEW ORDERS Domestic | Foreign | Total | Order Backlog | SHIPMENTS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|---|
| 1988 | $ 749.35 | $ 133.60 | $ 882.95 | $ 385.75 | $ 702.20 | $ 122.35 | $ 824.55 |
| 1989 JAN (P) | $ 56.60 | $ 7.25 | $ 63.85 | $ 400.25 | $ 42.20 | $ 7.15 | $ 49.35 |

| DATE | GROSS NEW ORDERS Domestic | Foreign | Total | CANCELLATIONS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|
| 1988 | $ 788.25 | $ 138.45 | $ 926.70 | $ 38.90 | $ 4.85 | $ 43.75 |
| 1989 JAN (P) | $ 60.50 | $ 7.50 | $ 68.00 | $ 3.90 | $ .25 | $ 4.15 |

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

**INDUSTRY ESTIMATE**
**METAL CUTTING TYPE MACHINE TOOLS**
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

| DATE | NET NEW ORDERS Domestic | Foreign | Total | Order Backlog | SHIPMENTS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|---|
| 1988 | $2,315.75 | $ 392.15 | $2,707.90 | $1,805.50 | $1,400.10 | $ 174.45 | $1,574.55 |
| 1989 | | | | | | | |
| JAN (P) | $ 145.45 | $ 21.55 | $ 167.00 | $1,869.65 | $ 89.50 | $ 13.35 | $ 102.85 |

| DATE | GROSS NEW ORDERS Domestic | Foreign | Total | CANCELLATIONS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|
| 1988 | $2,392.00 | $ 403.30 | $2,795.30 | $ 76.25 | $ 11.15 | $ 87.40 |
| 1989 | | | | | | |
| JAN (P) | $ 151.10 | $ 22.30 | $ 173.40 | $ 5.65 | $ .75 | $ 6.40 |

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

A 8620-1

NEWS

NMTBA
The Association For
Manufacturing Technology

FOR RELEASE: March 27, 1989
Contact: Charles Pollock

## Machine Tool Shipments Soar in February

Total machine tool shipments for February soared to $228.45 million, up 50.1% from January's $152.20 million, according to figures released today by NMTBA – The Association For Manufacturing Technology. Year–to–date shipments rose to $380.65 million, up 22.9% compared to 1988. Compared to the same month a year ago, February shipments are up 37.2%.

Total machine tool orders for the month rose to $282.25 million, up 22.3% from January's $230.85 million. However, at $513.10 million, year–to–date orders are 13.8% below the $595.55 million tallied in the first two months of 1988. Comparing February 1989 to February 1988, total machine tool orders are down 5.3%.

Albert W. Moore, NMTBA president, noted, "Although we would all hope for never–ending order growth, the fact is that machine tool orders, on a month–to–month basis, are volatile. We're pleased that there has been a significant rebound from January's low order level. And, even though February orders are slightly lower than February 1988's, they exceed last October's and November's, and are within 5% of 1988's average order rate."

He added, "Shipments are most encouraging, as they are the indicator of income. We've been waiting for 1988's order surge to work its way into shipments, and it clearly has."

At $215.25 million, metal cutting orders for February were up 28.9%. Metal forming orders rose to $67.00 million, a 4.9% increase. Year–to–date, metal cutting orders totaled $382.25 million, down 19.4% from 1988. Metal forming orders for the period rose to $130.83 million,

(more)

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an 8.0% increase. Compared to February 1988, February metal cutting orders were down 14.0% and metal forming orders were up 40.6%.

February shipments of metal cutting equipment rose to $150.90 million, up 46.7% from January, whiie metal forming shipments reached $77.55 million, up 57.1%. At $253.75 million, year–to–date metal cutting shipments were up 40.9% compared to the same period in 1988 and metal forming shipments dropped a slight 2.2% to $126.90 million. Compared to the same month last year, February metal cutting shipments were up 38.6% and metal forming shipments were up 34.8%.

The machine tool order backlog for February 1989 stood at $2,323.70 million, up from January's $2,269.90 million.

# # #

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3/27/89

# COMPARISON CHART

## NET NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

| | METAL CUTTING | | | METAL FORMING | | | TOTAL Cutting and Forming | | |
|---|---|---|---|---|---|---|---|---|---|
| | Domestic | Foreign | Total | Domestic | Foreign | Total | Domestic | Foreign | Total |
| FEB 1989 | 191.60 | 23.65 | 215.25 | 57.05 | 9.95 | 67.00 | 248.65 | 33.60 | 282.25 |
| JAN 1989 | 145.40 | 21.60 | 167.00 | 56.60 | 7.25 | 63.85 | 202.00 | 28.85 | 230.85 |
| % CHANGE | | | | | | | | | |
| FEB 1989:JAN 1989 | +31.8 | +9.5 | +28.9 | +0.8 | +37.2 | +4.9 | +23.1 | +16.5 | +22.3 |
| FEB 1988 | 217.95 | 32.45 | 250.40 | 40.90 | 6.75 | 47.65 | 258.85 | 39.20 | 298.05 |
| % CHANGE | | | | | | | | | |
| FEB 1989:FEB 1988 | -12.1 | -27.1 | -14.0 | +39.5 | +47.4 | +40.6 | -3.9 | -14.3 | -5.3 |
| YEAR TO DATE 1989 | 337.00 | 45.25 | 382.25 | 113.65 | 17.20 | 130.85 | 450.65 | 62.45 | 513.10 |
| YEAR TO DATE 1988 | 423.70 | 50.65 | 474.35 | 101.20 | 20.00 | 121.20 | 524.90 | 70.65 | 595.55 |
| % CHANGE | | | | | | | | | |
| 1989 : 1988 | -20.5 | -10.7 | -19.4 | +12.3 | -14.0 | +8.0 | -14.1 | -11.6 | -13.8 |

## SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

| | METAL CUTTING | | | METAL FORMING | | | TOTAL Cutting and Forming | | |
|---|---|---|---|---|---|---|---|---|---|
| | Domestic | Foreign | Total | Domestic | Foreign | Total | Domestic | Foreign | Total |
| FEB 1989 | 133.55 | 17.35 | 150.90 | 66.40 | 11.15 | 77.55 | 199.95 | 28.50 | 228.45 |
| JAN 1989 | 89.50 | 13.35 | 102.85 | 42.20 | 7.15 | 49.35 | 131.70 | 20.50 | 152.20 |
| % CHANGE | | | | | | | | | |
| FEB 1989:JAN 1989 | +49.2 | +30.0 | +46.7 | +57.3 | +55.9 | +57.1 | +51.8 | +39.0 | +50.1 |
| FEB 1988 | 97.00 | 11.90 | 108.90 | 48.10 | 9.45 | 57.55 | 145.10 | 21.35 | 166.45 |
| % CHANGE | | | | | | | | | |
| FEB 1989:FEB 1988 | +37.7 | +45.8 | +38.6 | +38.0 | +18.0 | +34.8 | +37.8 | +33.5 | +37.2 |
| YEAR TO DATE 1989 | 223.05 | 30.70 | 253.75 | 108.60 | 18.30 | 126.90 | 331.65 | 49.00 | 380.65 |
| YEAR TO DATE 1988 | 158.60 | 21.50 | 180.10 | 112.15 | 17.55 | 129.70 | 270.75 | 39.05 | 309.80 |
| % CHANGE | | | | | | | | | |
| 1989 : 1988 | +40.6 | +42.8 | +40.9 | -3.2 | +4.3 | -2.2 | +22.5 | +25.5 | +22.9 |

Source: NMTBA - The Association For Manufacturing Technology

**TOTAL INDUSTRY ESTIMATE**
**MACHINE TOOLS - CUTTING AND FORMING**
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

| DATE | NET NEW ORDERS Domestic | Foreign | Total | Order Backlog | SHIPMENTS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|---|
| 1988 | $3,065.10 | $ 525.75 | $3,590.85 | $2,191.25 | $2,102.30 | $ 296.80 | $2,399.10 |
| 1989 | | | | | | | |
| JAN | $ 202.00 | $ 28.85 | $ 230.85 | $2,269.90 | $ 131.70 | $ 20.50 | $ 152.20 |
| FEB (P) | $ 248.65 | $ 33.60 | $ 282.25 | $2,323.70 | $ 199.95 | $ 28.50 | $ 228.45 |
| 2 MONTHS | $ 450.65 | $ 62.45 | $ 513.10 | | $ 331.65 | $ 49.00 | $ 380.65 |

| DATE | GROSS NEW ORDERS Domestic | Foreign | Total | CANCELLATIONS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|
| 1988 | $3,180.25 | $ 541.75 | $3,722.00 | $ 115.15 | $ 16.00 | $ 131.15 |
| 1989 | | | | | | |
| JAN | $ 211.70 | $ 30.05 | $ 241.75 | $ 9.70 | $ 1.20 | $ 10.90 |
| FEB (P) | $ 260.25 | $ 34.40 | $ 294.65 | $ 11.60 | $ .80 | $ 12.40 |
| 2 MONTHS | $ 471.95 | $ 64.45 | $ 536.40 | $ 21.30 | $ 2.00 | $ 23.30 |

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

**INDUSTRY ESTIMATE**
**METAL FORMING TYPE MACHINE TOOLS**
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

| DATE | NET NEW ORDERS Domestic | Foreign | Total | Order Backlog | SHIPMENTS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|---|
| 1988 | $ 749.35 | $ 133.60 | $ 882.95 | $385.70 | $ 702.20 | $ 122.35 | $ 824.55 |
| 1989 | | | | | | | |
| JAN | $ 56.60 | $ 7.25 | $ 63.85 | $400.20 | $ 42.20 | $ 7.15 | $ 49.35 |
| FEB (P) | $ 57.05 | $ 9.95 | $ 67.00 | $389.65 | $ 66.40 | $ 11.15 | $ 77.55 |
| 2 MONTHS | $ 113.65 | $ 17.20 | $ 130.85 | | $ 108.60 | $ 18.30 | $ 126.90 |

| DATE | GROSS NEW ORDERS Domestic | Foreign | Total | CANCELLATIONS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|
| 1988 | $ 788.25 | $ 138.45 | $ 926.70 | $ 38.90 | $ 4.85 | $ 43.75 |
| 1989 | | | | | | |
| JAN | $ 60.50 | $ 7.50 | $ 68.00 | $ 3.90 | $ .25 | $ 4.15 |
| FEB (P) | $ 58.65 | $ 10.35 | $ 69.00 | $ 1.60 | $ .40 | $ 2.00 |
| 2 MONTHS | $ 119.15 | $ 17.85 | $ 137.00 | $ 5.50 | $ .65 | $ 6.15 |

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

**INDUSTRY ESTIMATE**
**METAL CUTTING TYPE MACHINE TOOLS**
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

| DATE | NET NEW ORDERS Domestic | Foreign | Total | Order Backlog | SHIPMENTS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|---|
| 1988 | $2,315.75 | $ 392.15 | $2,707.90 | $1,805.55 | $1,400.10 | $ 174.45 | $1,574.55 |
| 1989 | | | | | | | |
| JAN | $ 145.40 | $ 21.60 | $ 167.00 | $1,869.70 | $ 89.50 | $ 13.35 | $ 102.85 |
| FEB (P) | $ 191.60 | $ 23.65 | $ 215.25 | $1,934.05 | $ 133.55 | $ 17.35 | $ 150.90 |
| 2 MONTHS | $ 337.00 | $ 45.25 | $ 382.25 | | $ 223.05 | $ 30.70 | $ 253.75 |

| DATE | GROSS NEW ORDERS Domestic | Foreign | Total | CANCELLATIONS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|
| 1988 | $2,392.00 | $ 403.30 | $2,795.30 | $ 76.25 | $ 11.15 | $ 87.40 |
| 1989 | | | | | | |
| JAN | $ 151.20 | $ 22.55 | $ 173.75 | $ 5.80 | $ .95 | $ 6.75 |
| FEB (P) | $ 201.60 | $ 24.05 | $ 225.65 | $ 10.00 | $ .40 | $ 10.40 |
| 2 MONTHS | $ 352.80 | $ 46.60 | $ 399.40 | $ 15.80 | $ 1.35 | $ 17.15 |

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

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4/25-1874

NEWS

NMTBA
The Association For
Manufacturing Technology

FOR RELEASE: April 24, 1989
Contact: Charles Pollock

## Machine Tool Shipments Continue To Rise

Total machine tool shipments for March hit $306.10 million, up 33.8% from February's $228.80 million, according to figures released today by NMTBA – The Association For Manufacturing Technology. This follows a strong 50.3% rise last month. At $687.10 million, year–to–date shipments are 33.0% ahead of 1988. Compared to the same month a year ago, March shipments are up 48.1%.

At $290.00 million, total machine tool orders for March are 2.9% ahead of February's $281.95 million. Year–to–date orders stand at $802.80 million, down 5.6% compared to the same time period a year ago. Compared to March 1988, total orders for March 1989 are up 14.0%.

The machine tool order backlog for March 1989 stood at $2,306.95 million, down from February's $2,323.05 million. This is the first backlog decline in 15 months.

Albert W. Moore, NMTBA president, said, "Although slightly below the figure for 1988, this year's first quarter total of $802.80 million shows a new order picture that remains relatively strong. With the surge in shipments continuing and orders staying near the level of our best year since 1980, the overall picture is one of an industry that is making progress toward recovery following the very difficult years of the mid–80s."

Metal cutting orders for March totaled $220.10 million, up 2.4% from the $214.95 million tallied in February. Metal forming orders rose 4.3%, going from $67.00 million to $69.90

(more)

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million. Compared to 1988, year–to–date metal cutting orders were down 9.6% to $602.05 million, while metal forming orders for the same period rose 9.3%, totaling $200.75 million. Compared to March 1988, this month's metal cutting orders were up 14.7% and metal forming orders were up 11.8%.

Shipments of metal cutting equipment reached $226.90 million in March, up 50.0% from February's $151.25 million. Metal forming machine tool shipments rose to $79.20 million, up 2.1% from February's $77.55 million. At $481.00 million, year–to–date metal cutting machine tool shipments are up 51.3%. In the same period, metal forming shipments rose to $206.10 million, 3.8% ahead of 1988. Comparing March 1989 with March a year ago, metal cutting shipments are up 64.7% and metal forming shipments are up 14.9%.

# # #

A8620-1

## COMPARISON CHART

### NET NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

| | METAL CUTTING | | | METAL FORMING | | | TOTAL Cutting and Forming | | |
|---|---|---|---|---|---|---|---|---|---|
| | Domestic | Foreign | Total | Domestic | Foreign | Total | Domestic | Foreign | Total |
| MAR 1989 | 199.70 | 20.40 | 220.10 | 58.20 | 11.70 | 69.90 | 257.90 | 32.10 | 290.00 |
| FEB 1989 | 191.30 | 23.65 | 214.95 | 57.05 | 9.95 | 67.00 | 248.35 | 33.60 | 281.95 |
| % CHANGE | | | | | | | | | |
| MAR 1989:FEB 1989 | +4.4 | -13.7 | +2.4 | +2.0 | +17.6 | +4.3 | +3.8 | -4.5 | +2.9 |
| MAR 1988 | 174.15 | 17.75 | 191.90 | 47.90 | 14.65 | 62.55 | 222.05 | 32.40 | 254.45 |
| % CHANGE | | | | | | | | | |
| MAR 1989:MAR 1988 | +14.7 | +14.9 | +14.7 | +21.5 | -20.1 | +11.8 | +16.1 | -0.9 | +14.0 |
| YEAR TO DATE 1989 | 536.40 | 65.65 | 602.05 | 171.85 | 28.90 | 200.75 | 708.25 | 94.55 | 802.80 |
| YEAR TO DATE 1988 | 597.85 | 68.40 | 666.25 | 149.10 | 34.65 | 183.75 | 746.95 | 103.05 | 850.00 |
| % CHANGE | | | | | | | | | |
| 1989 : 1988 | -10.3 | -4.0 | -9.6 | +15.3 | -16.6 | +9.3 | -5.2 | -8.2 | -5.6 |

### SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

| | METAL CUTTING | | | METAL FORMING | | | TOTAL Cutting and Forming | | |
|---|---|---|---|---|---|---|---|---|---|
| | Domestic | Foreign | Total | Domestic | Foreign | Total | Domestic | Foreign | Total |
| MAR 1989 | 206.40 | 20.50 | 226.90 | 67.00 | 12.20 | 79.20 | 273.40 | 32.70 | 306.10 |
| FEB 1989 | 133.90 | 17.35 | 151.25 | 66.40 | 11.15 | 77.55 | 200.30 | 28.50 | 228.80 |
| % CHANGE | | | | | | | | | |
| MAR 1989:FEB 1989 | +54.1 | +18.2 | +50.0 | +0.9 | +9.4 | +2.1 | +36.5 | +14.7 | +33.8 |
| MAR 1988 | 123.95 | 13.80 | 137.75 | 61.80 | 7.15 | 68.95 | 185.75 | 20.95 | 206.70 |
| % CHANGE | | | | | | | | | |
| MAR 1989:MAR 1988 | +66.5 | +48.6 | +64.7 | +8.4 | +70.6 | +14.9 | +47.2 | +56.1 | +48.1 |
| YEAR TO DATE 1989 | 429.80 | 51.20 | 481.00 | 175.60 | 30.50 | 206.10 | 605.40 | 81.70 | 687.10 |
| YEAR TO DATE 1988 | 282.55 | 35.30 | 317.85 | 173.95 | 24.70 | 198.65 | 456.50 | 60.00 | 516.50 |
| % CHANGE | | | | | | | | | |
| 1989 : 1988 | +52.1 | +45.0 | +51.3 | +0.9 | +23.5 | +3.8 | +32.6 | +36.2 | +33.0 |

Source: NMTBA - The Association For Manufacturing Technology

**TOTAL INDUSTRY ESTIMATE**
**MACHINE TOOLS - CUTTING AND FORMING**
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

| DATE | NET NEW ORDERS Domestic | Foreign | Total | Order Backlog | SHIPMENTS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|---|
| 1988 | $3,065.10 | $ 525.75 | $3,590.85 | $2,191.25 | $2,102.30 | $ 296.80 | $2,399.10 |
| 1989 | | | | | | | |
| JAN | $ 202.00 | $ 28.85 | $ 230.85 | $2,269.90 | $ 131.70 | $ 20.50 | $ 152.20 |
| FEB | $ 248.35 | $ 33.60 | $ 281.95 | $2,323.05 | $ 200.30 | $ 28.50 | $ 228.80 |
| MAR (P) | $ 257.90 | $ 32.10 | $ 290.00 | $2,306.95 | $ 273.40 | $ 32.70 | $ 306.10 |
| 3 MONTHS | $ 708.25 | $ 94.55 | $ 802.80 | | $ 605.40 | $ 81.70 | $ 687.10 |

| DATE | GROSS NEW ORDERS Domestic | Foreign | Total | CANCELLATIONS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|
| 1988 | $3,180.25 | $ 541.75 | $3,722.00 | $ 115.15 | $ 16.00 | $ 131.15 |
| 1989 | | | | | | |
| JAN | $ 211.70 | $ 30.05 | $ 241.75 | $ 9.70 | $ 1.20 | $ 10.90 |
| FEB | $ 259.90 | $ 34.40 | $ 294.30 | $ 11.55 | $ .80 | $ 12.35 |
| MAR (P) | $ 272.65 | $ 33.20 | $ 305.85 | $ 14.75 | $ 1.10 | $ 15.85 |
| 3 MONTHS | $ 744.25 | $ 97.65 | $ 841.90 | $ 36.00 | $ 3.10 | $ 39.10 |

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

**INDUSTRY ESTIMATE**
**METAL CUTTING TYPE MACHINE TOOLS**
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

| DATE | NET NEW ORDERS Domestic | Foreign | Total | Order Backlog | SHIPMENTS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|---|
| 1988 | $2,315.75 | $ 392.15 | $2,707.90 | $1,805.55 | $1,400.10 | $ 174.45 | $1,574.55 |
| 1989 | | | | | | | |
| JAN | $ 145.40 | $ 21.60 | $ 167.00 | $1,869.70 | $ 89.50 | $ 13.35 | $ 102.85 |
| FEB | $ 191.30 | $ 23.65 | $ 214.95 | $1,933.40 | $ 133.90 | $ 17.35 | $ 151.25 |
| MAR (P) | $ 199.70 | $ 20.40 | $ 220.10 | $1,926.60 | $ 206.40 | $ 20.50 | $ 226.90 |
| 3 MONTHS | $ 536.40 | $ 65.65 | $ 602.05 | | $ 429.80 | $ 51.20 | $ 481.00 |

| DATE | GROSS NEW ORDERS Domestic | Foreign | Total | CANCELLATIONS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|
| 1988 | $2,392.00 | $ 403.30 | $2,795.30 | $ 76.25 | $ 11.15 | $ 87.40 |
| 1989 | | | | | | |
| JAN | $ 151.20 | $ 22.55 | $ 173.75 | $ 5.80 | $ .95 | $ 6.75 |
| FEB | $ 201.25 | $ 24.05 | $ 225.30 | $ 9.95 | $ .40 | $ 10.35 |
| MAR (P) | $ 209.75 | $ 21.35 | $ 231.10 | $ 10.05 | $ .95 | $ 11.00 |
| 3 MONTHS | $ 562.20 | $ 67.95 | $ 630.15 | $ 25.80 | $ 2.30 | $ 28.10 |

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

**INDUSTRY ESTIMATE**
**METAL FORMING TYPE MACHINE TOOLS**
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

| DATE | NET NEW ORDERS Domestic | Foreign | Total | Order Backlog | SHIPMENTS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|---|
| 1988 | $ 749.35 | $ 133.60 | $ 882.95 | $ 385.70 | $ 702.20 | $ 122.35 | $ 824.55 |
| 1989 | | | | | | | |
| JAN | $ 56.60 | $ 7.25 | $ 63.85 | $ 400.20 | $ 42.20 | $ 7.15 | $ 49.35 |
| FEB | $ 57.05 | $ 9.95 | $ 67.00 | $ 389.65 | $ 66.40 | $ 11.15 | $ 77.55 |
| MAR (P) | $ 58.20 | $ 11.70 | $ 69.90 | $ 380.35 | $ 67.00 | $ 12.20 | $ 79.20 |
| 3 MONTHS | $ 171.85 | $ 28.90 | $ 200.75 | | $ 175.60 | $ 30.50 | $ 206.10 |

| DATE | GROSS NEW ORDERS Domestic | Foreign | Total | CANCELLATIONS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|
| 1988 | $ 788.25 | $ 138.45 | $ 926.70 | $ 38.90 | $ 4.85 | $ 43.75 |
| 1989 | | | | | | |
| JAN | $ 60.50 | $ 7.50 | $ 68.00 | $ 3.90 | $ .25 | $ 4.15 |
| FEB | $ 58.65 | $ 10.35 | $ 69.00 | $ 1.60 | $ .40 | $ 2.00 |
| MAR (P) | $ 62.90 | $ 11.85 | $ 74.75 | $ 4.70 | $ .15 | $ 4.85 |
| 3 MONTHS | $ 182.05 | $ 29.70 | $ 211.75 | $ 10.20 | $ .80 | $ 11.00 |

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

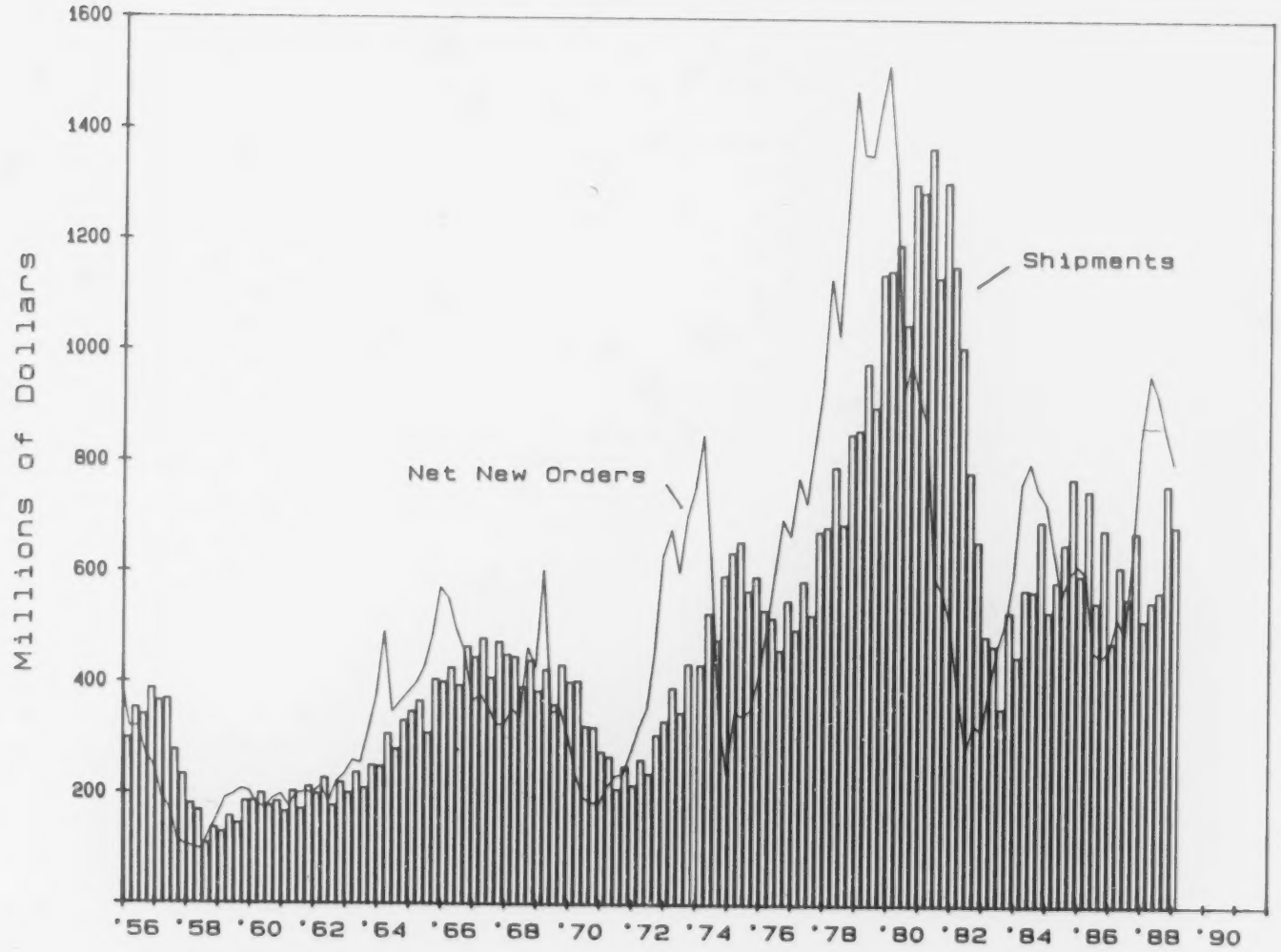
QUARTERLY AND YEARLY SHIPMENTS AND NET NEW ORDERS OF MACHINE TOOLS
(Dollar Figures in Thousands)
1982 to Date

| | Cutting and Forming | | | Cutting | | | Forming | | |
|---|---|---|---|---|---|---|---|---|---|
| | SHIPMENTS | | NET | SHIPMENTS | | NET | SHIPMENTS | | NET |
| DATE | Total | Foreign | NEW ORDERS | Total | Foreign | NEW ORDERS | Total | Foreign | NEW ORDERS |
| 1982-1 | $1,154,200 | $112,650 | $ 506,800 | $ 933,050 | $ 71,750 | $ 384,850 | $ 221,150 | $ 40,900 | $ 121,950 |
| 2 | 1,008,450 | 96,600 | 382,650 | 810,650 | 75,350 | 274,750 | 197,800 | 21,250 | 107,900 |
| 3 | 783,400 | 107,200 | 279,950 | 640,450 | 89,750 | 183,450 | 142,950 | 17,450 | 96,500 |
| 4 | 658,350 | 89,600 | 328,350 | 510,600 | 59,300 | 221,400 | 147,750 | 30,300 | 106,950 |
| Total | $3,604,400 | $406,050 | $1,497,750 | $2,894,750 | $296,150 | $1,064,450 | $ 709,650 | $ 109,900 | $ 433,300 |
| 1983-1 | $ 487,450 | $ 56,650 | $ 314,850 | $ 370,600 | $ 40,800 | $ 224,100 | $ 116,850 | $ 15,850 | $ 90,750 |
| 2 | 469,650 | 58,300 | 399,100 | 357,500 | 49,300 | 269,300 | 112,150 | 9,000 | 129,800 |
| 3 | 357,050 | 42,900 | 468,150 | 252,350 | 32,200 | 322,200 | 104,700 | 10,700 | 145,950 |
| 4 | 530,900 | 57,150 | 514,050 | 391,050 | 49,600 | 336,050 | 139,850 | 7,550 | 178,000 |
| Total | $1,845,050 | $215,000 | $1,696,150 | $1,371,500 | $171,900 | $1,151,650 | $ 473,550 | $ 43,100 | $ 544,500 |
| 1984-1 | $ 449,500 | $ 40,550 | $ 600,450 | $ 298,100 | $ 25,100 | $ 412,750 | $ 151,400 | $ 15,450 | $ 187,700 |
| 2 | 572,300 | 50,700 | 764,400 | 401,800 | 28,250 | 499,200 | 170,500 | 22,450 | 265,200 |
| 3 | 568,850 | 41,850 | 800,200 | 401,550 | 24,300 | 493,000 | 167,300 | 17,550 | 307,200 |
| 4 | 695,200 | 60,150 | 750,750 | 505,050 | 45,000 | 510,850 | 190,150 | 15,150 | 239,900 |
| Total | $2,285,850 | $193,250 | $2,915,800 | $1,606,500 | $122,650 | $1,915,800 | $ 679,350 | $ 70,600 | $1,000,000 |
| 1985-1 | $ 531,700 | $ 48,950 | $ 728,250 | $ 357,050 | $ 37,150 | $ 528,500 | $ 174,650 | $ 11,800 | $ 199,750 |
| 2 | 586,050 | 37,700 | 641,400 | 385,000 | 27,450 | 475,700 | 201,050 | 10,250 | 165,700 |
| 3 | 654,650 | 58,250 | 558,450 | 443,050 | 35,950 | 404,750 | 211,600 | 22,300 | 153,700 |
| 4 | 772,800 | 108,850 | 600,000 | 557,150 | 93,200 | 444,150 | 215,650 | 15,650 | 155,850 |
| Total | $2,545,200 | $253,750 | $2,528,100 | $1,742,250 | $193,750 | $1,853,100 | $ 802,950 | $ 60,000 | $ 675,000 |
| 1986-1 | $ 597,300 | $ 67,500 | $ 615,750 | $ 386,950 | $ 55,200 | $ 463,500 | $ 210,350 | $ 12,300 | $ 152,250 |
| 2 | 751,000 | 64,100 | 600,600 | 569,350 | 49,500 | 434,650 | 181,650 | 14,600 | 165,950 |
| 3 | 549,350 | 64,200 | 459,650 | 418,700 | 49,500 | 344,050 | 130,650 | 14,700 | 115,600 |
| 4 | 680,850 | 76,650 | 449,300 | 515,300 | 51,400 | 302,050 | 165,550 | 25,250 | 147,250 |
| Total | $2,578,500 | $272,450 | $2,125,300 | $1,890,300 | $205,600 | $1,544,250 | $ 688,200 | $ 66,850 | $ 581,050 |
| 1987-1 | $ 476,800 | $ 55,950 | $ 463,700 | $ 349,150 | $ 38,050 | $ 326,100 | $ 127,650 | $ 17,900 | $ 137,600 |
| 2 | 614,100 | 71,300 | 521,150 | 442,600 | 46,300 | 339,300 | 171,500 | 25,000 | 181,850 |
| 3 | 556,650 | 66,300 | 487,850 | 397,750 | 43,350 | 324,550 | 158,900 | 22,950 | 163,300 |
| 4 | 676,100 | 93,350 | 646,100 | 487,000 | 49,950 | 461,500 | 189,100 | 43,400 | 184,600 |
| Total | $2,323,650 | $286,900 | $2,118,800 | $1,676,500 | $177,650 | $1,451,450 | $ 647,150 | $ 109,250 | $ 667,350 |
| 1988-1 | $ 516,500 | $ 60,000 | $ 850,000 | $ 317,850 | $ 35,300 | $ 666,250 | $ 198,650 | $ 24,700 | $ 183,750 |
| 2 | 551,150 | 74,400 | 960,500 | 339,350 | 40,900 | 676,500 | 211,800 | 33,500 | 284,000 |
| 3 | 569,200 | 66,350 | 922,650 | 391,300 | 38,650 | 715,000 | 177,900 | 27,700 | 207,650 |
| 4 | 762,250 | 96,050 | 857,700 | 526,050 | 59,600 | 650,150 | 236,200 | 36,450 | 207,550 |
| Total | $2,399,100 | $296,800 | $3,590,850 | $1,574,550 | $174,450 | $2,707,900 | $ 824,550 | $ 122,350 | $ 882,950 |
| 1989-1P | $ 687,100 | $ 81,700 | $ 802,800 | $ 481,000 | $ 51,200 | $ 602,050 | $ 206,100 | $ 30,500 | $ 200,750 |

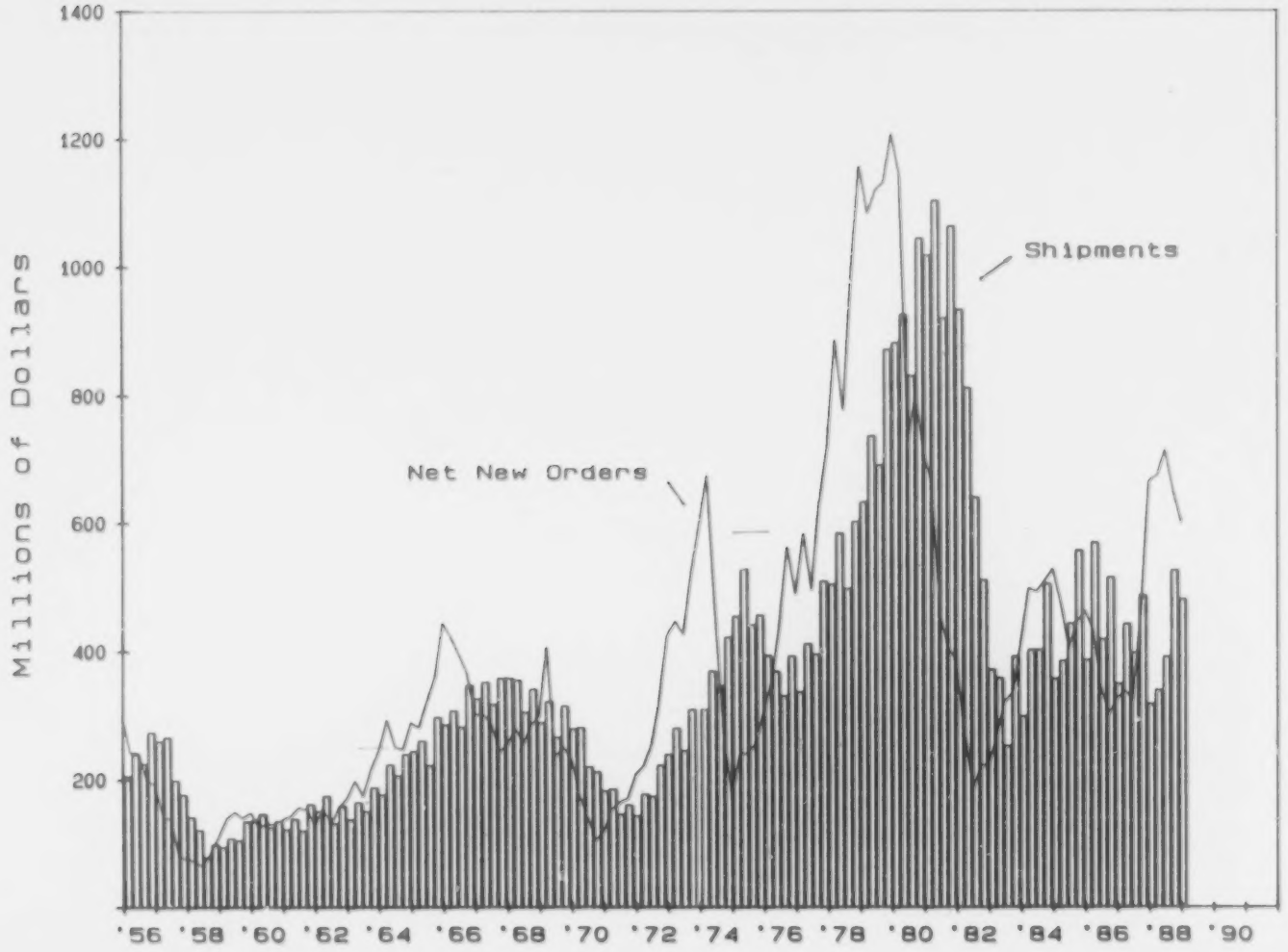
P - Preliminary
Source: AMTBA The Association for Manufacturing Technology

April 24, 1989

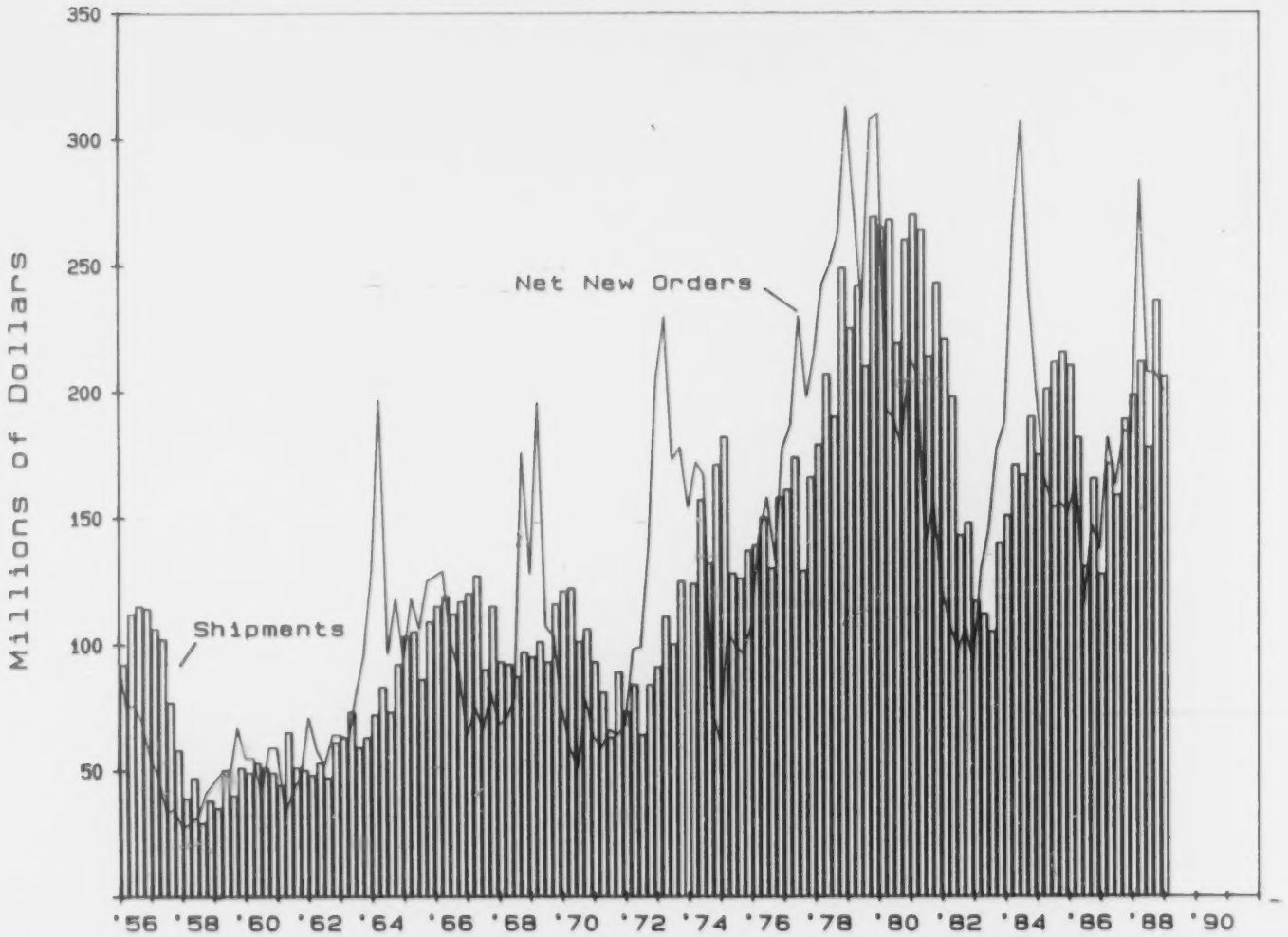
# Total Machine Tools
## Shipments (Bar) and Net New Orders (Line)
## Quarterly, 1956: 1 to 1989: 1



# Metal Cutting Machine Tools
## Shipments (Bar) and Net New Orders (Line)
## Quarterly, 1956: 1 to 1989: 1



# Metal Forming Machine Tools
## Shipments (Bar) and Net New Orders (Line)
## Quarterly, 1956: 1 to 1989: 1



NEWS

NMTBA
The Association For
Manufacturing Technology

FOR RELEASE: May 29, 1989
Contact: Charles Pollock

## Year–to–date machine tool shipments are up 39.0%

Year–to–date total machine tool shipments reached $936.75 million, up 39.0% compared to 1988, according to figures released today by NMTBA – The Association For Manufacturing Technology. April's shipment total of $249.10 million was down 18.8% compared to the $306.65 million tallied in the previous month; but it was up 58.3% compared to April a year ago.

Total machine tool orders for April fell to $241.85 million, down 16.7% compared to the $290.50 million for March. Compared to April a year ago, orders were down 4.4%. Year–to–date total orders were down slightly from 1988, standing at $1,045.15 million, 5.2% below the figure for the same period last year.

The April machine tool order backlog fell to $2,299.65 million, down for the second month in a row. The March backlog was $2,306.90 million.

Albert W. Moore, NMTBA president, said, "We are encouraged to see the large shipment increases compared to last year. It's shipments that generate cash flow that is sorely needed by our industry. The modest 5.2% orders decline, though not welcome, is not yet a matter for industry–wide concern as it follows last year's 70% order increase."

Metal cutting orders for April totaled $152.10 million, down 31.1% compared to the March figure of $220.60 million. Metal forming orders jumped 28.4%, going from $69.90 million in March to $89.75 million in April. Compared to 1988, year–to–date metal cutting orders are down 12.4% to $754.65 million, and year–to–date metal forming orders are up 20.3% to $290.50

(more)

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million. Compared to April 1988, this April's metal cutting orders are down 22.1% and metal forming orders are up 55.5%.

April shipments of metal cutting equipment stood at $183.60 million, down 19.3% from the March figure of $227.45 million. Metal forming machine tool shipments for the month fell to $65.50 million, down 17.3% from $79.20 million. Year–to–date figures show metal cutting shipments up 61.0% to $665.15 million and metal forming shipments up 4.2% to $271.60 million. Comparing April 1989 with April a year ago, metal cutting shipments are up 92.7% and metal forming shipments are up 5.5%.

# # #

# COMPARISON CHART

## NET NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

| | METAL CUTTING | | | METAL FORMING | | | TOTAL Cutting and Forming | | |
|---|---|---|---|---|---|---|---|---|---|
| | Domestic | Foreign | Total | Domestic | Foreign | Total | Domestic | Foreign | Total |
| APR 1989 | 137.80 | 14.30 | 152.10 | 76.40 | 13.35 | 89.75 | 214.20 | 27.65 | 241.85 |
| MAR 1989 | 200.20 | 20.40 | 220.60 | 58.20 | 11.70 | 69.90 | 258.40 | 32.10 | 290.50 |
| % CHANGE | | | | | | | | | |
| APR 1989:MAR 1989 | -31.2 | -29.9 | -31.1 | +31.3 | +14.1 | +28.4 | -17.1 | -13.9 | -16.7 |
| APR 1988 | 146.45 | 48.85 | 195.30 | 47.00 | 10.70 | 57.70 | 193.45 | 59.55 | 253.00 |
| % CHANGE | | | | | | | | | |
| APR 1989:APR 1988 | -5.9 | -70.7 | -22.1 | +62.6 | +24.8 | +55.5 | +10.7 | -53.6 | -4.4 |
| YEAR TO DATE 1989 | 674.70 | 79.95 | 754.65 | 248.25 | 42.25 | 290.50 | 922.95 | 122.20 | 1,045.15 |
| YEAR TO DATE 1988 | 744.30 | 117.25 | 861.55 | 196.10 | 45.35 | 241.45 | 940.40 | 162.60 | 1,103.00 |
| % CHANGE | | | | | | | | | |
| 1989 : 1988 | -9.4 | -31.8 | -12.4 | +26.6 | -6.8 | +20.3 | -1.9 | -24.8 | -5.2 |

## SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

| | METAL CUTTING | | | METAL FORMING | | | TOTAL Cutting and Forming | | |
|---|---|---|---|---|---|---|---|---|---|
| | Domestic | Foreign | Total | Domestic | Foreign | Total | Domestic | Foreign | Total |
| APR 1989 | 167.90 | 15.70 | 183.60 | 58.80 | 6.70 | 65.50 | 226.70 | 22.40 | 249.10 |
| MAR 1989 | 207.25 | 20.20 | 227.45 | 67.00 | 12.20 | 79.20 | 274.25 | 32.40 | 306.65 |
| % CHANGE | | | | | | | | | |
| APR 1989:MAR 1989 | -19.0 | -22.3 | -19.3 | -12.2 | -45.1 | -17.3 | -17.3 | -30.9 | -18.8 |
| APR 1988 | 82.20 | 13.10 | 95.30 | 51.70 | 10.40 | 62.10 | 133.90 | 23.50 | 157.40 |
| % CHANGE | | | | | | | | | |
| APR 1989:APR 1988 | +104.3 | +19.8 | +92.7 | +13.7 | -35.6 | +5.5 | +69.3 | -4.7 | +58.3 |
| YEAR TO DATE 1989 | 598.55 | 66.60 | 665.15 | 234.40 | 37.20 | 271.60 | 832.95 | 103.80 | 936.75 |
| YEAR TO DATE 1988 | 364.75 | 48.40 | 413.15 | 225.65 | 35.10 | 260.75 | 590.40 | 83.50 | 673.90 |
| % CHANGE | | | | | | | | | |
| 1989 : 1988 | +64.1 | +37.6 | +61.0 | +3.9 | +6.0 | +4.2 | +41.1 | +24.3 | +39.0 |

Source: NMTBA - The Association For Manufacturing Technology

**TOTAL INDUSTRY ESTIMATE**
**MACHINE TOOLS - CUTTING AND FORMING**
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

| DATE | NET NEW ORDERS Domestic | Foreign | Total | Order Backlog | SHIPMENTS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|---|
| 1988 | $3,065.10 | $ 525.75 | $3,590.85 | $2,191.25 | $2,102.30 | $ 296.80 | $2,399.10 |
| 1989 | | | | | | | |
| JAN | $ 202.00 | $ 28.85 | $ 230.85 | $2,269.90 | $ 131.70 | $ 20.50 | $ 152.20 |
| FEB | $ 248.35 | $ 33.60 | $ 281.95 | $2,323.05 | $ 200.30 | $ 28.50 | $ 228.80 |
| MAR | $ 258.40 | $ 32.10 | $ 290.50 | $2,306.90 | $ 274.25 | $ 32.40 | $ 306.65 |
| APR (P) | $ 214.20 | $ 27.65 | $ 241.85 | $2,299.65 | $ 226.70 | $ 22.40 | $ 249.10 |
| 4 MONTHS | $ 922.95 | $ 122.20 | $1,045.15 | | $ 832.95 | $ 103.80 | $ 936.75 |

| DATE | GROSS NEW ORDERS Domestic | Foreign | Total | CANCELLATIONS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|
| 1988 | $3,180.25 | $ 541.75 | $3,722.00 | $ 115.15 | $ 16.00 | $ 131.15 |
| 1989 | | | | | | |
| JAN | $ 211.70 | $ 30.05 | $ 241.75 | $ 9.70 | $ 1.20 | $ 10.90 |
| FEB | $ 259.90 | $ 34.40 | $ 294.30 | $ 11.55 | $ .80 | $ 12.35 |
| MAR | $ 273.15 | $ 33.20 | $ 306.35 | $ 14.75 | $ 1.10 | $ 15.85 |
| APR (P) | $ 221.30 | $ 28.70 | $ 250.00 | $ 7.10 | $ 1.05 | $ 8.15 |
| 4 MONTHS | $ 966.05 | $ 126.35 | $1,092.40 | $ 43.10 | $ 4.15 | $ 47.25 |

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

**INDUSTRY ESTIMATE**
**METAL CUTTING TYPE MACHINE TOOLS**
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

| DATE | NET NEW ORDERS Domestic | Foreign | Total | Order Backlog | SHIPMENTS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|---|
| 1988 | $2,315.75 | $ 392.15 | $2,707.90 | $1,805.55 | $1,400.10 | $ 174.45 | $1,574.55 |
| 1989 | | | | | | | |
| JAN | $ 145.40 | $ 21.60 | $ 167.00 | $1,869.70 | $ 89.50 | $ 13.35 | $ 102.85 |
| FEB | $ 191.30 | $ 23.65 | $ 214.95 | $1,933.40 | $ 133.90 | $ 17.35 | $ 151.25 |
| MAR | $ 200.20 | $ 20.40 | $ 220.60 | $1,926.55 | $ 207.25 | $ 20.20 | $ 227.45 |
| APR (P) | $ 137.80 | $ 14.30 | $ 152.10 | $1,895.05 | $ 167.90 | $ 15.70 | $ 183.60 |
| 4 MONTHS | $ 674.70 | $ 79.95 | $ 754.65 | | $ 598.55 | $ 66.60 | $ 665.15 |

| DATE | GROSS NEW ORDERS Domestic | Foreign | Total | CANCELLATIONS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|
| 1988 | $2,392.00 | $ 403.30 | $2,795.30 | $ 76.25 | $ 11.15 | $ 87.40 |
| 1989 | | | | | | |
| JAN | $ 151.20 | $ 22.55 | $ 173.75 | $ 5.80 | $ .95 | $ 6.75 |
| FEB | $ 201.25 | $ 24.05 | $ 225.30 | $ 9.95 | $ .40 | $ 10.35 |
| MAR | $ 210.25 | $ 21.35 | $ 231.60 | $ 10.05 | $ .95 | $ 11.00 |
| APR (P) | $ 143.35 | $ 15.30 | $ 158.65 | $ 5.55 | $ 1.00 | $ 6.55 |
| 4 MONTHS | $ 706.05 | $ 83.25 | $ 789.30 | $ 31.35 | $ 3.30 | $ 34.65 |

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

**INDUSTRY ESTIMATE**
**METAL FORMING TYPE MACHINE TOOLS**
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

| DATE | NET NEW ORDERS Domestic | Foreign | Total | Order Backlog | SHIPMENTS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|---|
| 1988 | $ 749.35 | $ 133.60 | $ 882.95 | $385.70 | $ 702.20 | $ 122.35 | $ 824.55 |
| 1989 | | | | | | | |
| JAN | $ 56.60 | $ 7.25 | $ 63.85 | $400.20 | $ 42.20 | $ 7.15 | $ 49.35 |
| FEB | $ 57.05 | $ 9.95 | $ 67.00 | $389.65 | $ 66.40 | $ 11.15 | $ 77.55 |
| MAR | $ 58.20 | $ 11.70 | $ 69.90 | $380.35 | $ 67.00 | $ 12.20 | $ 79.20 |
| APR (P) | $ 76.40 | $ 13.35 | $ 89.75 | $404.60 | $ 58.80 | $ 6.70 | $ 65.50 |
| 4 MONTHS | $ 248.25 | $ 42.25 | $ 290.50 | | $ 234.40 | $ 37.20 | $ 271.60 |

| DATE | GROSS NEW ORDERS Domestic | Foreign | Total | CANCELLATIONS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|
| 1988 | $ 788.25 | $ 138.45 | $ 926.70 | $ 38.90 | $ 4.85 | $ 43.75 |
| 1989 | | | | | | |
| JAN | $ 60.50 | $ 7.50 | $ 68.00 | $ 3.90 | $ .25 | $ 4.15 |
| FEB | $ 58.65 | $ 10.35 | $ 69.00 | $ 1.60 | $ .40 | $ 2.00 |
| MAR | $ 62.90 | $ 11.85 | $ 74.75 | $ 4.70 | $ .15 | $ 4.85 |
| APR (P) | $ 77.95 | $ 13.40 | $ 91.35 | $ 1.55 | $ .05 | $ 1.60 |
| 4 MONTHS | $ 260.00 | $ 43.10 | $ 303.10 | $ 11.75 | $ .85 | $ 12.60 |

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

A8620-1

NEWS

NMTBA
The Association For
Manufacturing Technology

FOR RELEASE: June 26, 1989
Contact: Charles Pollock

## Year–to–date machine tool shipments are up 38.0%

Year–to–date total machine tool shipments stand at $1,177.95 million, 38.0% ahead of last year, according to figures released today by NMTBA – The Association For Manufacturing Technology. May shipments stood at $240.75 million. Although down 3.5% from April's shipment total of $249.55 million, the May 1989 total was 34.0% ahead of the figure for May 1988.

Total machine tool orders for May fell to $205.25 million, down 15.4% from April's total of $242.55 million. Compared to May a year ago, orders were down 36.8%. At $1,251.10 million, year–to–date total orders were 12.4% below the $1,427.70 million figure for the same period in 1988.

The May machine tool order backlog fell to $2,264.40 million, down for the third month in a row. The April backlog was $2,299.90 million.

Albert W. Moore, NMTBA president, said, "The year–to–date shipment figures are still very encouraging, providing the much needed cash flow we mentioned last month." "But," he noted "the slackening we are seeing in orders is cause for concern. It may reflect uncertainty about an economy that is sending off mixed signals. The dollar has been strengthening, which can have a negative effect on export orders. Domestic inflation has been erratic, but the trend is definitely higher. Job growth is slowing. Machine tool investors tend to hold off when they feel uncertain about the future."

(more)

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May's metal cutting machine tool orders totaled $147.90 million, down 3.2% compared to April's $152.80 million. Metal forming orders fell 36.1%, from $89.75 million in April to $57.35 million in May. Year–to–date metal cutting orders are down 18.2% to $903.25 million, and year–to–date metal forming orders are up 7.6% to $347.85 million. Compared to May 1988, May 1989 metal cutting orders are down 39.1% and metal forming orders are down 29.9%.

Shipments of metal cutting equipment stood at $158.40 million in May, down 13.9% from the April figure of $184.05 million. Metal forming machine tool shipments for the month rose 25.7%, from $65.50 million to $82.35 million. Year–to–date figures show metal cutting shipments up 57.1% to $824.00 million and metal forming shipments up 7.5% to $353.95 million. Comparing May 1989 with May a year ago, metal cutting shipments are up 42.4% and metal forming shipments are up 20.3%.

# # #

## COMPARISON CHART

### NET NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

| | METAL CUTTING | | | METAL FORMING | | | TOTAL Cutting and Forming | | |
|---|---|---|---|---|---|---|---|---|---|
| | Domestic | Foreign | Total | Domestic | Foreign | Total | Domestic | Foreign | Total |
| MAY 1989 | 138.10 | 9.80 | 147.90 | 49.85 | 7.50 | 57.35 | 187.95 | 17.30 | 205.25 |
| APR 1989 | 138.50 | 14.30 | 152.80 | 76.40 | 13.35 | 89.75 | 214.90 | 27.65 | 242.55 |
| % CHANGE | | | | | | | | | |
| MAY 1989:APR 1989 | -0.3 | -31.5 | -3.2 | -34.8 | -43.8 | -36.1 | -12.5 | -37.4 | -15.4 |
| MAY 1988 | 205.65 | 37.20 | 242.85 | 73.25 | 8.60 | 81.85 | 278.90 | 45.80 | 324.70 |
| % CHANGE | | | | | | | | | |
| MAY 1989:MAY 1988 | -32.8 | -73.7 | -39.1 | -31.9 | -12.8 | -29.9 | -32.6 | -62.2 | -36.8 |
| YEAR TO DATE 1989 | 813.50 | 89.75 | 903.25 | 298.10 | 49.75 | 347.85 | 1,111.60 | 139.50 | 1,251.10 |
| YEAR TO DATE 1988 | 949.95 | 154.45 | 1,104.40 | 269.35 | 53.95 | 323.30 | 1,219.30 | 208.40 | 1,427.70 |
| % CHANGE | | | | | | | | | |
| 1989 : 1988 | -14.4 | -41.9 | -18.2 | +10.7 | -7.8 | +7.6 | -8.8 | -33.1 | -12.4 |

### SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

| | METAL CUTTING | | | METAL FORMING | | | TOTAL Cutting and Forming | | |
|---|---|---|---|---|---|---|---|---|---|
| | Domestic | Foreign | Total | Domestic | Foreign | Total | Domestic | Foreign | Total |
| MAY 1989 | 145.40 | 13.00 | 158.40 | 74.10 | 8.25 | 82.35 | 219.50 | 21.25 | 240.75 |
| APR 1989 | 168.35 | 15.70 | 184.05 | 58.80 | 6.70 | 65.50 | 227.15 | 22.40 | 249.55 |
| % CHANGE | | | | | | | | | |
| MAY 1989:APR 1989 | -13.6 | -17.2 | -13.9 | +26.0 | +23.1 | +25.7 | -3.4 | -5.1 | -3.5 |
| MAY 1988 | 100.25 | 11.00 | 111.25 | 57.35 | 11.10 | 68.45 | 157.60 | 22.10 | 179.70 |
| % CHANGE | | | | | | | | | |
| MAY 1989:MAY 1988 | +45.0 | +18.2 | +42.4 | +29.2 | -25.7 | +20.3 | +39.3 | -3.8 | +34.0 |
| YEAR TO DATE 1989 | 744.40 | 79.60 | 824.00 | 308.50 | 45.45 | 353.95 | 1,052.90 | 125.05 | 1,177.95 |
| YEAR TO DATE 1988 | 465.00 | 59.40 | 524.40 | 283.00 | 46.20 | 329.20 | 748.00 | 105.60 | 853.60 |
| % CHANGE | | | | | | | | | |
| 1989 : 1988 | +60.1 | +34.0 | +57.1 | +9.0 | -1.6 | +7.5 | +40.8 | +18.4 | +38.0 |

Source: NMTBA - The Association For Manufacturing Technology

**TOTAL INDUSTRY ESTIMATE**
**MACHINE TOOLS - CUTTING AND FORMING**
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

| DATE | NET NEW ORDERS Domestic | Foreign | Total | Order Backlog | SHIPMENTS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|---|
| 1988 | $3,065.10 | $ 525.75 | $3,590.85 | $2,191.25 | $2,102.30 | $ 296.80 | $2,399.10 |
| 1989 | | | | | | | |
| JAN | $ 202.00 | $ 28.85 | $ 230.85 | $2,269.90 | $ 131.70 | $ 20.50 | $ 152.20 |
| FEB | $ 248.35 | $ 33.60 | $ 281.95 | $2,323.05 | $ 200.30 | $ 28.50 | $ 228.80 |
| MAR | $ 258.40 | $ 32.10 | $ 290.50 | $2,306.90 | $ 274.25 | $ 32.40 | $ 306.65 |
| APR | $ 214.90 | $ 27.65 | $ 242.55 | $2,299.90 | $ 227.15 | $ 22.40 | $ 249.55 |
| MAY (P) | $ 187.95 | $ 17.30 | $ 205.25 | $2,264.40 | $ 219.50 | $ 21.25 | $ 240.75 |
| 5 MONTHS | $1,111.60 | $ 139.50 | $1,251.10 | | $1,052.90 | $ 125.05 | $1,177.95 |

| DATE | GROSS NEW ORDERS Domestic | Foreign | Total | CANCELLATIONS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|
| 1988 | $3,180.25 | $ 541.75 | $3,722.00 | $ 115.15 | $ 16.00 | $ 131.15 |
| 1989 | | | | | | |
| JAN | $ 211.70 | $ 30.05 | $ 241.75 | $ 9.70 | $ 1.20 | $ 10.90 |
| FEB | $ 259.90 | $ 34.40 | $ 294.30 | $ 11.55 | $ .80 | $ 12.35 |
| MAR | $ 273.15 | $ 33.20 | $ 306.35 | $ 14.75 | $ 1.10 | $ 15.85 |
| APR | $ 222.00 | $ 28.70 | $ 250.70 | $ 7.10 | $ 1.05 | $ 8.15 |
| MAY (P) | $ 199.50 | $ 22.20 | $ 221.70 | $ 11.55 | $ 4.90 | $ 16.45 |
| 5 MONTHS | $1,166.25 | $ 148.55 | $1,314.80 | $ 54.65 | $ 9.05 | $ 63.70 |

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

INDUSTRY ESTIMATE

**METAL CUTTING TYPE MACHINE TOOLS**

New Orders, Cancellations, Shipments and Backlog

(Millions of Dollars)

| DATE | NET NEW ORDERS Domestic | Foreign | Total | Order Backlog | SHIPMENTS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|---|
| 1988 | $2,315.75 | $ 392.15 | $2,707.90 | $1,805.55 | $1,400.10 | $ 174.45 | $1,574.55 |
| 1989 | | | | | | | |
| JAN | $ 145.40 | $ 21.60 | $ 167.00 | $1,869.70 | $ 89.50 | $ 13.35 | $ 102.85 |
| FEB | $ 191.30 | $ 23.65 | $ 214.95 | $1,933.40 | $ 133.90 | $ 17.35 | $ 151.25 |
| MAR | $ 200.20 | $ 20.40 | $ 220.60 | $1,926.55 | $ 207.25 | $ 20.20 | $ 227.45 |
| APR | $ 138.50 | $ 14.30 | $ 152.80 | $1,895.30 | $ 168.35 | $ 15.70 | $ 184.05 |
| MAY (P) | $ 138.10 | $ 9.80 | $ 147.90 | $1,884.80 | $ 145.40 | $ 13.00 | $ 158.40 |
| 5 MONTHS | $ 813.50 | $ 89.75 | $ 903.25 | | $ 744.40 | $ 79.60 | $ 824.00 |

| DATE | GROSS NEW ORDERS Domestic | Foreign | Total | CANCELLATIONS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|
| 1988 | $2,392.00 | $ 403.30 | $2,795.30 | $ 76.25 | $ 11.15 | $ 87.40 |
| 1989 | | | | | | |
| JAN | $ 151.20 | $ 22.55 | $ 173.75 | $ 5.80 | $ .95 | $ 6.75 |
| FEB | $ 201.25 | $ 24.05 | $ 225.30 | $ 9.95 | $ .40 | $ 10.35 |
| MAR | $ 210.25 | $ 21.35 | $ 231.60 | $ 10.05 | $ .95 | $ 11.00 |
| APR | $ 144.05 | $ 15.30 | $ 159.35 | $ 5.55 | $ 1.00 | $ 6.55 |
| MAY (P) | $ 149.30 | $ 14.65 | $ 163.95 | $ 11.20 | $ 4.85 | $ 16.05 |
| 5 MONTHS | $ 856.05 | $ 97.90 | $ 953.95 | $ 42.55 | $ 8.15 | $ 50.70 |

P - Preliminary

Source: NMTBA - The Association For Manufacturing Technology

**INDUSTRY ESTIMATE**
**METAL FORMING TYPE MACHINE TOOLS**
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

| DATE | NET NEW ORDERS Domestic | Foreign | Total | Order Backlog | SHIPMENTS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|---|
| 1988 | $ 749.35 | $ 133.60 | $ 882.95 | $ 385.70 | $ 702.20 | $ 122.35 | $ 824.55 |
| 1989 | | | | | | | |
| JAN | $ 56.60 | $ 7.25 | $ 63.85 | $ 400.20 | $ 42.20 | $ 7.15 | $ 49.35 |
| FEB | $ 57.05 | $ 9.95 | $ 67.00 | $ 389.65 | $ 66.40 | $ 11.15 | $ 77.55 |
| MAR | $ 58.20 | $ 11.70 | $ 69.90 | $ 380.35 | $ 67.00 | $ 12.20 | $ 79.20 |
| APR | $ 76.40 | $ 13.35 | $ 89.75 | $ 404.60 | $ 58.80 | $ 6.70 | $ 65.50 |
| MAY (P) | $ 49.85 | $ 7.50 | $ 57.35 | $ 379.60 | $ 74.10 | $ 8.25 | $ 82.35 |
| 5 MONTHS | $ 298.10 | $ 49.75 | $ 347.85 | | $ 308.50 | $ 45.45 | $ 353.95 |

| DATE | GROSS NEW ORDERS Domestic | Foreign | Total | CANCELLATIONS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|
| 1988 | $ 788.25 | $ 138.45 | $ 926.70 | $ 38.90 | $ 4.85 | $ 43.75 |
| 1989 | | | | | | |
| JAN | $ 60.50 | $ 7.50 | $ 68.00 | $ 3.90 | $ .25 | $ 4.15 |
| FEB | $ 58.65 | $ 10.35 | $ 69.00 | $ 1.60 | $ .40 | $ 2.00 |
| MAR | $ 62.90 | $ 11.85 | $ 74.75 | $ 4.70 | $ .15 | $ 4.85 |
| APR | $ 77.95 | $ 13.40 | $ 91.35 | $ 1.55 | $ .05 | $ 1.60 |
| MAY (P) | $ 50.20 | $ 7.55 | $ 57.75 | $ .35 | $ .05 | $ .40 |
| 5 MONTHS | $ 310.20 | $ 50.65 | $ 360.85 | $ 12.10 | $ .90 | $ 13.00 |

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

A8620-1

NEWS

NMTBA
The Association For
Manufacturing Technology

FOR RELEASE: July 31, 1989
Contact: Charles Pollock

## June orders are up 16.0%

June machine tool orders rose to $238.00 million, up 16.0% compared to May's $205.25 million, according to figures released today by NMTBA – The Association For Manufacturing Technology. Year–to–date total machine tool orders reached $1,489.10 million, down 17.8% from the 1988 figure of $1,810.50 million. Comparing June 1989 to June 1988, machine tool orders are down 37.8%.

June shipments stood at $327.60 million, up 36.1% from May's total of $240.75 million. At $1,505.55 million, year–to–date shipments are running 41.0% ahead of last year's $1,067.65 million for the same period. Compared to June a year ago, June 1989 shipments were up 53.0%.

The June machine tool order backlog stood at $2,174.80 million, down from May's figure of $2,264.40 million.

Albert W. Moore, NMTBA president, said, "It is good to see monthly orders rising after two months of decline — and particularly encouraging to see a sharp rise in foreign orders. Total foreign orders for June reached $44.80 million, the best month so far in 1989. The future strength of our industry lies in overseas markets. American manufacturers must export to remain strong." He added, "Total shipments continue to run well ahead of last year, strengthening the industry with much needed cash flow."

Metal cutting orders for June totaled $156.15 million, up 5.6% compared to the May total of $147.90 million. Metal forming orders jumped by 42.7%, up to $81.85 million from May's

(more)

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$57.35 million. Compared to 1988, year–to–date metal cutting orders are down 21.1% to $1,059.40 million, and year–to–date metal forming orders are down 8.1% to $429.70 million. Comparing June 1989 to June 1988, metal cutting orders are down 34.5% and metal forming orders are down 43.3%.

June shipments of metal cutting equipment rose to $235.75 million, up 48.8% from the May figure of $158.40 million. Metal forming machine tool shipments for the month were $91.85 million, up 11.5% from the $82.35 million tallied in May. Year–to–date figures show metal cutting shipments up 61.3% to $1,059.75 million and metal forming shipments up 8.6% to $445.80 million. Comparing June 1989 with June a year ago, metal cutting shipments are up 77.5% and metal forming shipments are up 13.0%.

# # #

## COMPARISON CHART

### NET NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

| | METAL CUTTING | | | METAL FORMING | | | TOTAL Cutting and Forming | | |
|---|---|---|---|---|---|---|---|---|---|
| | Domestic | Foreign | Total | Domestic | Foreign | Total | Domestic | Foreign | Total |
| JUN 1989 | 120.35 | 35.80 | 156.15 | 72.85 | 9.00 | 81.85 | 193.20 | 44.80 | 238.00 |
| MAY 1989 | 138.10 | 9.80 | 147.90 | 49.85 | 7.50 | 57.35 | 187.95 | 17.30 | 205.25 |
| % CHANGE | | | | | | | | | |
| JUN 1989:MAY 1989 | -12.9 | +265.3 | +5.6 | +46.1 | +20.0 | +42.7 | +2.8 | +159.0 | +16.0 |
| JUN 1988 | 210.65 | 27.70 | 238.35 | 134.60 | 9.85 | 144.45 | 345.25 | 37.55 | 382.80 |
| % CHANGE | | | | | | | | | |
| JUN 1989:JUN 1988 | -42.9 | +29.2 | -34.5 | -45.9 | -8.6 | -43.3 | -44.0 | +19.3 | -37.8 |
| YEAR TO DATE 1989 | 933.85 | 125.55 | 1,059.40 | 370.95 | 58.75 | 429.70 | 1,304.80 | 184.30 | 1,489.10 |
| YEAR TO DATE 1988 | 1,160.60 | 182.15 | 1,342.75 | 403.95 | 63.80 | 467.75 | 1,564.55 | 245.95 | 1,810.50 |
| % CHANGE | | | | | | | | | |
| 1989 : 1988 | -19.5 | -31.1 | -21.1 | -8.2 | -7.9 | -8.1 | -16.6 | -25.1 | -17.8 |

### SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

| | METAL CUTTING | | | METAL FORMING | | | TOTAL Cutting and Forming | | |
|---|---|---|---|---|---|---|---|---|---|
| | Domestic | Foreign | Total | Domestic | Foreign | Total | Domestic | Foreign | Total |
| JUN 1989 | 199.85 | 35.90 | 235.75 | 70.10 | 21.75 | 91.85 | 269.95 | 57.65 | 327.60 |
| MAY 1989 | 145.40 | 13.00 | 158.40 | 74.10 | 8.25 | 82.35 | 219.50 | 21.25 | 240.75 |
| % CHANGE | | | | | | | | | |
| JUN 1989:MAY 1989 | +37.4 | +176.2 | +48.8 | -5.4 | +163.6 | +11.5 | +23.0 | +171.3 | +36.1 |
| JUN 1988 | 116.00 | 16.80 | 132.80 | 69.25 | 12.00 | 81.25 | 185.25 | 28.80 | 214.05 |
| % CHANGE | | | | | | | | | |
| JUN 1989:JUN 1988 | +72.3 | +113.7 | +77.5 | +1.2 | +81.2 | +13.0 | +45.7 | +100.2 | +53.0 |
| YEAR TO DATE 1989 | 944.25 | 115.50 | 1,059.75 | 378.60 | 67.20 | 445.80 | 1,322.85 | 182.70 | 1,505.55 |
| YEAR TO DATE 1988 | 581.00 | 76.20 | 657.20 | 352.25 | 58.20 | 410.45 | 933.25 | 134.40 | 1,067.65 |
| % CHANGE | | | | | | | | | |
| 1989 : 1988 | +62.5 | +51.6 | +61.3 | +7.5 | +15.5 | +8.6 | +41.7 | +35.9 | +41.0 |

Source: NMTBA - The Association For Manufacturing Technology

**TOTAL INDUSTRY ESTIMATE**
**MACHINE TOOLS - CUTTING AND FORMING**
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

| DATE | NET NEW ORDERS Domestic | Foreign | Total | Order Backlog | SHIPMENTS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|---|
| 1988 | $3,065.10 | $ 525.75 | $3,590.85 | $2,191.25 | $2,102.30 | $ 296.80 | $2,399.10 |
| 1989 | | | | | | | |
| JAN | $ 202.00 | $ 28.85 | $ 230.85 | $2,269.90 | $ 131.70 | $ 20.50 | $ 152.20 |
| FEB | $ 248.35 | $ 33.60 | $ 281.95 | $2,323.05 | $ 200.30 | $ 28.50 | $ 228.80 |
| MAR | $ 258.40 | $ 32.10 | $ 290.50 | $2,306.90 | $ 274.25 | $ 32.40 | $ 306.65 |
| APR | $ 214.90 | $ 27.65 | $ 242.55 | $2,299.90 | $ 227.15 | $ 22.40 | $ 249.55 |
| MAY | $ 187.95 | $ 17.30 | $ 205.25 | $2,264.40 | $ 219.50 | $ 21.25 | $ 240.75 |
| JUN (P) | $ 193.20 | $ 44.80 | $ 238.00 | $2,174.80 | $ 269.95 | $ 57.65 | $ 327.60 |
| 6 MONTHS | $1,304.80 | $ 184.30 | $1,489.10 | | $1,322.85 | $ 182.70 | $1,505.55 |

| DATE | GROSS NEW ORDERS Domestic | Foreign | Total | CANCELLATIONS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|
| 1988 | $3,180.25 | $ 541.75 | $3,722.00 | $ 115.15 | $ 16.00 | $ 131.15 |
| 1989 | | | | | | |
| JAN | $ 211.70 | $ 30.05 | $ 241.75 | $ 9.70 | $ 1.20 | $ 10.90 |
| FEB | $ 259.90 | $ 34.40 | $ 294.30 | $ 11.55 | $ .80 | $ 12.35 |
| MAR | $ 273.15 | $ 33.20 | $ 306.35 | $ 14.75 | $ 1.10 | $ 15.85 |
| APR | $ 222.00 | $ 28.70 | $ 250.70 | $ 7.10 | $ 1.05 | $ 8.15 |
| MAY | $ 199.50 | $ 22.20 | $ 221.70 | $ 11.55 | $ 4.90 | $ 16.45 |
| JUN (P) | $ 214.00 | $ 46.65 | $ 260.65 | $ 20.80 | $ 1.85 | $ 22.65 |
| 6 MONTHS | $1,380.25 | $ 195.20 | $1,575.45 | $ 75.45 | $ 10.90 | $ 86.35 |

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

**INDUSTRY ESTIMATE**
**METAL CUTTING TYPE MACHINE TOOLS**
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

| DATE | NET NEW ORDERS Domestic | Foreign | Total | Order Backlog | SHIPMENTS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|---|
| 1988 | $2,315.75 | $ 392.15 | $2,707.90 | $1,805.55 | $1,400.10 | $ 174.45 | $4,574.55 |
| 1989 | | | | | | | |
| JAN | $ 145.40 | $ 21.60 | $ 167.00 | $1,869.70 | $ 89.50 | $ 13.35 | $ 102.85 |
| FEB | $ 191.30 | $ 23.65 | $ 214.95 | $1,933.40 | $ 133.90 | $ 17.35 | $ 151.25 |
| MAR | $ 200.20 | $ 20.40 | $ 220.60 | $1,926.55 | $ 207.25 | $ 20.20 | $ 227.45 |
| APR | $ 138.50 | $ 14.30 | $ 152.80 | $1,895.30 | $ 168.35 | $ 15.70 | $ 184.05 |
| MAY | $ 138.10 | $ 9.80 | $ 147.90 | $1,884.80 | $ 145.40 | $ 13.00 | $ 158.40 |
| JUN (P) | $ 120.35 | $ 35.80 | $ 156.15 | $1,805.20 | $ 199.85 | $ 35.90 | $ 235.75 |
| 6 MONTHS | $ 933.85 | $ 125.55 | $1,059.40 | | $ 944.25 | $ 115.50 | $1,059.75 |

| DATE | GROSS NEW ORDERS Domestic | Foreign | Total | CANCELLATIONS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|
| 1988 | $2,392.00 | $ 403.30 | $2,795.30 | $ 76.25 | $ 11.15 | $ 87.40 |
| 1989 | | | | | | |
| JAN | $ 151.20 | $ 22.55 | $ 173.75 | $ 5.80 | $ .95 | $ 6.75 |
| FEB | $ 201.25 | $ 24.05 | $ 225.30 | $ 9.95 | $ .40 | $ 10.35 |
| MAR | $ 210.25 | $ 21.35 | $ 231.60 | $ 10.05 | $ .95 | $ 11.00 |
| APR | $ 144.05 | $ 15.30 | $ 159.35 | $ 5.55 | $ 1.00 | $ 6.55 |
| MAY | $ 149.30 | $ 14.65 | $ 163.95 | $ 11.20 | $ 4.85 | $ 16.05 |
| JUN (P) | $ 139.15 | $ 37.40 | $ 176.55 | $ 18.80 | $ 1.60 | $ 20.40 |
| 6 MONTHS | $ 995.20 | $ 135.30 | $1,130.50 | $ 61.35 | $ 9.75 | $ 71.10 |

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

**INDUSTRY ESTIMATE**
**METAL FORMING TYPE MACHINE TOOLS**
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

| DATE | NET NEW ORDERS Domestic | Foreign | Total | Order Backlog | SHIPMENTS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|---|
| 1988 | $ 749.35 | $ 133.60 | $ 882.95 | $ 385.70 | $ 702.20 | $ 122.35 | $ 824.55 |
| 1989 | | | | | | | |
| JAN | $ 56.60 | $ 7.25 | $ 63.85 | $ 400.20 | $ 42.20 | $ 7.15 | $ 49.35 |
| FEB | $ 57.05 | $ 9.95 | $ 67.00 | $ 389.65 | $ 66.40 | $ 11.15 | $ 77.55 |
| MAR | $ 58.20 | $ 11.70 | $ 69.90 | $ 380.35 | $ 67.00 | $ 12.20 | $ 79.20 |
| APR | $ 76.40 | $ 13.35 | $ 89.75 | $ 404.60 | $ 58.80 | $ 6.70 | $ 65.50 |
| MAY | $ 49.85 | $ 7.50 | $ 57.35 | $ 379.60 | $ 74.10 | $ 8.25 | $ 82.35 |
| JUN (P) | $ 72.85 | $ 9.00 | $ 81.85 | $ 369.60 | $ 70.10 | $ 21.75 | $ 91.85 |
| 6 MONTHS | $ 370.95 | $ 58.75 | $ 429.70 | | $ 378.60 | $ 67.20 | $ 445.80 |

| DATE | GROSS NEW ORDERS Domestic | Foreign | Total | CANCELLATIONS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|
| 1988 | $ 788.25 | $ 138.45 | $ 926.70 | $ 38.90 | $ 4.85 | $ 43.75 |
| 1989 | | | | | | |
| JAN | $ 60.50 | $ 7.50 | $ 68.00 | $ 3.90 | $ .25 | $ 4.15 |
| FEB | $ 58.65 | $ 10.35 | $ 69.00 | $ 1.60 | $ .40 | $ 2.00 |
| MAR | $ 62.90 | $ 11.85 | $ 74.75 | $ 4.70 | $ .15 | $ 4.85 |
| APR | $ 77.95 | $ 13.40 | $ 91.35 | $ 1.55 | $ .05 | $ 1.60 |
| MAY | $ 50.20 | $ 7.55 | $ 57.75 | $ .35 | $ .05 | $ .40 |
| JUN (P) | $ 74.85 | $ 9.25 | $ 84.10 | $ 2.00 | $ .25 | $ 2.25 |
| 6 MONTHS | $ 385.05 | $ 59.90 | $ 444.95 | $ 14.10 | $ 1.15 | $ 15.25 |

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

QUARTERLY AND YEARLY SHIPMENTS AND NET NEW ORDERS OF MACHINE TOOLS
(Dollar Figures in Thousands)
1983 to Date

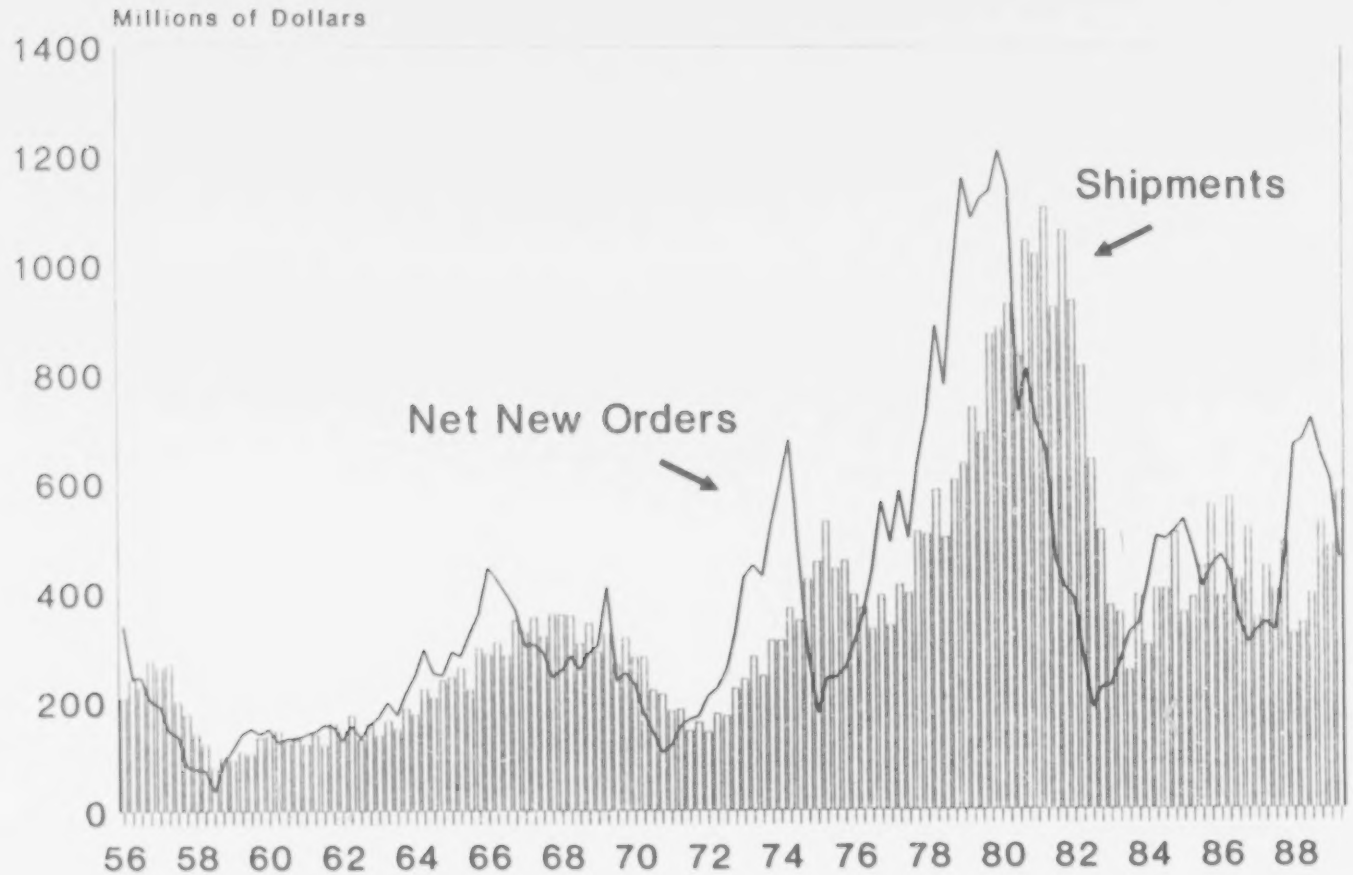
| | Cutting and Forming | | | Cutting | | | Forming | | |
|---|---|---|---|---|---|---|---|---|---|
| | SHIPMENTS | | NET | SHIPMENTS | | NET | SHIPMENTS | | NET |
| DATE | Total | Foreign | NEW ORDERS | Total | Foreign | NEW ORDERS | Total | Foreign | NEW ORDERS |
| 1983-1 | $ 487,450 | $ 56,650 | $ 314,850 | $ 370,600 | $ 40,800 | $ 224,100 | $ 116,850 | $ 15,850 | $ 90,750 |
| 2 | 469,650 | 58,300 | 399,100 | 357,500 | 49,300 | 269,300 | 112,150 | 9,000 | 129,800 |
| 3 | 357,050 | 42,900 | 468,150 | 252,350 | 32,200 | 322,200 | 104,700 | 10,700 | 145,950 |
| 4 | 530,900 | 57,150 | 514,050 | 391,050 | 49,600 | 336,050 | 139,850 | 7,550 | 178,000 |
| Total | $1,845,050 | $215,000 | $1,696,150 | $1,371,500 | $171,900 | $1,151,650 | $ 473,550 | $ 43,100 | $ 544,500 |
| 1984-1 | $ 449,500 | $ 40,550 | $ 600,450 | $ 298,100 | $ 25,100 | $ 412,750 | $ 151,400 | $ 15,450 | $ 187,700 |
| 2 | 572,300 | 50,700 | 764,400 | 401,800 | 28,250 | 499,200 | 170,500 | 22,450 | 265,200 |
| 3 | 568,850 | 41,850 | 800,200 | 401,550 | 24,300 | 493,000 | 167,300 | 17,550 | 307,200 |
| 4 | 695,200 | 60,150 | 750,750 | 505,050 | 45,000 | 510,850 | 190,150 | 15,150 | 239,900 |
| Total | $2,285,850 | $193,250 | $2,915,800 | $1,606,500 | $122,650 | $1,915,800 | $ 679,350 | $ 70,600 | $1,000,000 |
| 1985-1 | $ 531,700 | $ 48,950 | $ 728,250 | $ 357,050 | $ 37,150 | $ 528,500 | $ 174,650 | $ 11,800 | $ 199,750 |
| 2 | 586,050 | 37,700 | 641,400 | 385,000 | 27,450 | 475,700 | 201,050 | 10,250 | 165,700 |
| 3 | 654,650 | 58,250 | 558,450 | 443,050 | 35,950 | 404,750 | 211,600 | 22,300 | 153,700 |
| 4 | 772,800 | 108,850 | 600,000 | 557,150 | 93,200 | 444,150 | 215,650 | 15,650 | 155,850 |
| Total | $2,545,200 | $253,750 | $2,528,100 | $1,742,250 | $193,750 | $1,853,100 | $ 802,950 | $ 60,000 | $ 675,000 |
| 1986-1 | $ 597,300 | $ 67,500 | $ 615,750 | $ 386,950 | $ 55,200 | $ 463,500 | $ 210,350 | $ 12,300 | $ 152,250 |
| 2 | 751,000 | 64,100 | 600,600 | 569,350 | 49,500 | 434,650 | 181,650 | 14,600 | 165,950 |
| 3 | 549,350 | 64,200 | 459,650 | 418,700 | 49,500 | 344,050 | 130,650 | 14,700 | 115,600 |
| 4 | 680,850 | 76,650 | 449,300 | 515,300 | 51,400 | 302,050 | 165,550 | 25,250 | 147,250 |
| Total | $2,578,500 | $272,450 | $2,125,300 | $1,890,300 | $205,600 | $1,544,250 | $ 688,200 | $ 66,850 | $ 581,050 |
| 1987-1 | $ 476,800 | $ 55,950 | $ 463,700 | $ 349,150 | $ 38,050 | $ 326,100 | $ 127,650 | $ 17,900 | $ 137,600 |
| 2 | 614,100 | 71,300 | 521,150 | 442,600 | 46,300 | 339,300 | 171,500 | 25,000 | 181,850 |
| 3 | 556,650 | 66,300 | 487,850 | 397,750 | 43,350 | 324,550 | 158,900 | 22,950 | 163,300 |
| 4 | 676,100 | 93,350 | 646,100 | 487,000 | 49,950 | 461,500 | 189,100 | 43,400 | 184,600 |
| Total | $2,323,650 | $286,900 | $2,118,800 | $1,676,500 | $177,650 | $1,451,450 | $ 647,150 | $ 109,250 | $ 667,350 |
| 1988-1 | $ 516,500 | $ 60,000 | $ 850,000 | $ 317,850 | $ 35,300 | $ 666,250 | $ 198,650 | $ 24,700 | $ 183,750 |
| 2 | 551,150 | 74,400 | 960,500 | 339,350 | 40,900 | 676,500 | 211,800 | 33,500 | 284,000 |
| 3 | 569,200 | 66,350 | 922,650 | 391,300 | 38,650 | 715,000 | 177,900 | 27,700 | 207,650 |
| 4 | 762,250 | 96,050 | 857,700 | 526,050 | 59,600 | 650,150 | 236,200 | 36,450 | 207,550 |
| Total | $2,399,100 | $296,800 | $3,590,850 | $1,574,550 | $174,450 | $2,707,900 | $ 824,550 | $ 122,350 | $ 882,950 |
| 1989-1 | $ 687,650 | $ 81,400 | $ 803,300 | $ 481,550 | $ 50,900 | $ 602,550 | $ 206,100 | $ 30,500 | $ 200,750 |
| 2P | 817,900 | 101,300 | 685,800 | 578,200 | 64,600 | 456,850 | 239,700 | 36,700 | 228,950 |
| Total | $1,505,550 | $182,700 | $1,489,100 | $1,059,750 | $115,500 | $1,059,400 | $ 445,800 | $ 67,200 | $ 429,700 |

P - Preliminary
Source: NMTBA - The Association for Manufacturing Technology

July 31, 1989

# Total Machine Tools
# Shipments and Net New Orders, Quarterly

# Metal Cutting Machine Tools
## Shipments and Net New Orders, Quarterly



# Metal Forming Machine Tools
## Shipments and Net New Orders, Quarterly

A7620-1

NEWS

NMTBA
The Association For
Manufacturing Technology

FOR RELEASE: August 28, 1989
Contact: Charles Pollock

## Year–to–date machine tool shipments are up 39%, orders down

Year–to–date total machine tool shipments reached $1,743.75 million, up 39% compared to 1988, according to figures released today by NMTBA – The Association For Manufacturing Technology. July shipments stood at $238.25 million, down 27.3% compared to June's $327.55 million. However, compared to July a year ago, July 1989 shipments were up 26.9%.

Total machine tool orders for July fell to $190.90 million, down 20.7 % compared to June's $240.70 million. Year–to–date orders stood at $1,682.70 million, down 18.5% compared to the same period in 1988. Compared to July a year ago, orders were down 25.1%.

The July machine tool order backlog stood at $2,130.20 million, down from the $2,177.55 million tallied in June.

Albert W. Moore, NMTBA president, said, "Year–to–date shipments are up substantially, and that's good news. Taking a look at orders — a decline at this time of year is not unusual, but it is difficult to feel good about the data since orders for the first seven months of 1989 are also off. We are concerned but hopeful that, as we move into fall, the picture may improve." "Additionally," he noted, "tax reform is a matter of growing concern. Two years ago we warned that the capital recovery provisions of the 1986 Tax Reform Bill represented a dangerous step backward. Congress is now considering changes. It is important that the tax code encourages, rather than discourages, investment in America's manufacturing industries."

July's metal cutting machine tool orders totaled $133.35 million, down 16.1% compared to June's $158.85 million. Metal forming equipment orders stood at $57.55 million, down 29.7%

(more)

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from June's total of $81.85 million. Compared to 1988, year–to–date metal cutting orders, standing at $1,195.45 million, are down 21.9%; metal forming orders, at $487.25 million, are down 9.0%. Comparing July 1989 with July 1988, metal cutting machine tool orders were down 28.7% and metal forming orders were down 15.3%.

In July, metal cutting shipments stood at $176.15 million, down 25.3% from the previous month's figure of $235.70 million. Metal forming machine tool shipments for the month were $62.10 million, down 32.4% from the June total of $91.85 million. Year–to–date figures show metal cutting shipments up 56.1% to $1,235.85 million and metal forming shipments up 9.6% to $507.90 million. Compared to the same month a year ago, metal cutting shipments are up 30.8% and metal forming shipments are up 17.2%.

# # #

A8620-7

## COMPARISON CHART

### NET NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

| | METAL CUTTING | | | METAL FORMING | | | TOTAL Cutting and Forming | | |
|---|---|---|---|---|---|---|---|---|---|
| | Domestic | Foreign | Total | Domestic | Foreign | Total | Domestic | Foreign | Total |
| JUL 1989 | 112.30 | 21.05 | 133.35 | 43.35 | 14.20 | 57.55 | 155.65 | 35.25 | 190.90 |
| JUN 1989 | 123.05 | 35.80 | 158.85 | 72.85 | 9.00 | 81.85 | 195.90 | 44.80 | 240.70 |
| % CHANGE | | | | | | | | | |
| JUL 1989:JUN 1989 | -8.7 | -41.2 | -16.1 | -40.5 | +57.8 | -29.7 | -20.5 | -21.3 | -20.7 |
| JUL 1988 | 167.55 | 19.45 | 187.00 | 53.80 | 14.15 | 67.95 | 221.35 | 33.60 | 254.95 |
| % CHANGE | | | | | | | | | |
| JUL 1989:JUL 1988 | -33.0 | +8.2 | -28.7 | -19.4 | +0.4 | -15.3 | -29.7 | +4.9 | -25.1 |
| YEAR TO DATE 1989 | 1,048.85 | 146.60 | 1,195.45 | 414.30 | 72.95 | 487.25 | 1,463.15 | 219.55 | 1,682.70 |
| YEAR TO DATE 1988 | 1,328.15 | 201.60 | 1,529.75 | 457.75 | 77.95 | 535.70 | 1,785.90 | 279.55 | 2,065.45 |
| % CHANGE | | | | | | | | | |
| 1989 : 1988 | -21.0 | -27.3 | -21.9 | -9.5 | -6.4 | -9.0 | -18.1 | -21.5 | -18.5 |

### SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

| | METAL CUTTING | | | METAL FORMING | | | TOTAL Cutting and Forming | | |
|---|---|---|---|---|---|---|---|---|---|
| | Domestic | Foreign | Total | Domestic | Foreign | Total | Domestic | Foreign | Total |
| JUL 1989 | 156.00 | 20.15 | 176.15 | 50.55 | 11.55 | 62.10 | 206.55 | 31.70 | 238.25 |
| JUN 1989 | 199.95 | 35.75 | 235.70 | 70.10 | 21.75 | 91.85 | 270.05 | 57.50 | 327.55 |
| % CHANGE | | | | | | | | | |
| JUL 1989:JUN 1989 | -22.0 | -43.6 | -25.3 | -27.9 | -46.9 | -32.4 | -23.5 | -44.9 | -27.3 |
| JUL 1988 | 126.15 | 8.55 | 134.70 | 43.75 | 9.25 | 53.00 | 169.90 | 17.80 | 187.70 |
| % CHANGE | | | | | | | | | |
| JUL 1989:JUL 1988 | +23.7 | +135.7 | +30.8 | +15.5 | +24.9 | +17.2 | +21.6 | +78.1 | +26.9 |
| YEAR TO DATE 1989 | 1,100.35 | 135.50 | 1,235.85 | 429.15 | 78.75 | 507.90 | 1,529.50 | 214.25 | 1,743.75 |
| YEAR TO DATE 1988 | 707.15 | 84.75 | 791.90 | 396.00 | 67.45 | 463.45 | 1,103.15 | 152.20 | 1,255.35 |
| % CHANGE | | | | | | | | | |
| 1989 : 1988 | +55.6 | +59.9 | +56.1 | +8.4 | +16.8 | +9.6 | +38.6 | +40.8 | +38.9 |

Source: NMTBA - The Association For Manufacturing Technology

**INDUSTRY ESTIMATE**
**METAL FORMING TYPE MACHINE TOOLS**
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

| DATE | NET NEW ORDERS Domestic | Foreign | Total | Order Backlog | SHIPMENTS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|---|
| 1988 | $ 749.35 | $ 133.60 | $ 882.95 | $ 385.70 | $ 702.20 | $ 122.35 | $ 824.55 |
| 1989 | | | | | | | |
| JAN | $ 56.60 | $ 7.25 | $ 63.85 | $ 400.20 | $ 42.20 | $ 7.15 | $ 49.35 |
| FEB | $ 57.05 | $ 9.95 | $ 67.00 | $ 389.65 | $ 66.40 | $ 11.15 | $ 77.55 |
| MAR | $ 58.20 | $ 11.70 | $ 69.90 | $ 380.35 | $ 67.00 | $ 12.20 | $ 79.20 |
| APR | $ 76.40 | $ 13.35 | $ 89.75 | $ 404.60 | $ 58.80 | $ 6.70 | $ 65.50 |
| MAY | $ 49.85 | $ 7.50 | $ 57.35 | $ 379.60 | $ 74.10 | $ 8.25 | $ 82.35 |
| JUN | $ 72.85 | $ 9.00 | $ 81.85 | $ 369.60 | $ 70.10 | $ 21.75 | $ 91.85 |
| JUL (P) | $ 43.35 | $ 14.20 | $ 57.55 | $ 365.05 | $ 50.55 | $ 11.55 | $ 62.10 |
| 7 MONTHS | $ 414.30 | $ 72.95 | $ 487.25 | | $ 429.15 | $ 78.75 | $ 507.90 |

| DATE | GROSS NEW ORDERS Domestic | Foreign | Total | CANCELLATIONS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|
| 1988 | $ 788.25 | $ 138.45 | $ 926.70 | $ 38.90 | $ 4.85 | $ 43.75 |
| 1989 | | | | | | |
| JAN | $ 60.50 | $ 7.50 | $ 68.00 | $ 3.90 | $ .25 | $ 4.15 |
| FEB | $ 58.65 | $ 10.35 | $ 69.00 | $ 1.60 | $ .40 | $ 2.00 |
| MAR | $ 62.90 | $ 11.85 | $ 74.75 | $ 4.70 | $ .15 | $ 4.85 |
| APR | $ 77.95 | $ 13.40 | $ 91.35 | $ 1.55 | $ .05 | $ 1.60 |
| MAY | $ 50.20 | $ 7.55 | $ 57.75 | $ .35 | $ .05 | $ .40 |
| JUN | $ 74.85 | $ 9.25 | $ 84.10 | $ 2.00 | $ .25 | $ 2.25 |
| JUL (P) | $ 44.00 | $ 14.25 | $ 58.25 | $ .65 | $ .05 | $ .70 |
| 7 MONTHS | $ 429.05 | $ 74.15 | $ 503.20 | $ 14.75 | $ 1.20 | $ 15.95 |

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

A8620-1

NEWS

NMTBA
The Association For
Manufacturing Technology

FOR RELEASE: September 25, 1989
Contact: Charles Pollock

## Year–to–date machine tool shipments up sharply, orders are down

According to figures released today by NMTBA – The Association For Manufacturing Technology, year–to–date machine tool shipments rose to $1,969.55 million, up 39.8% compared to the $1,409.30 million for the same period in 1988. At $226.35 million, the August 1989 machine tool shipment figure is down 4.8% compared to July's $237.70 million. Comparing August 1989 to August a year ago, shipments were up 47.0%.

Total machine tool orders for August reached $226.60 million, 18.8% above the $190.75 million tallied in July. Year–to–date 1989 orders stood at $1,909.15 million, down 20.6% compared to 1988's $2,404.95 million. Comparing August 1989 to August 1988, orders were down 33.3%.

The machine tool order backlog for August was $2,130.85 million, up slightly from the $2,130.60 million posted in July.

Albert W. Moore, NMTBA president, said, "On the bright side, 1989 shipments remain high — nearly 40% above the figure for the same period in 1988 — and that is good for industry balance sheets. While orders are down compared to last year, you have to remember that 1988 was the best year for machine tool orders since 1980." He noted, "The rise in foreign shipments is encouraging. American capital goods producers are pushing more aggressively into overseas markets. Continued growth in exports is essential to the future health of our nation's manufacturing industries."

(more)

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Metal cutting machine tool orders for August reached $156.00 million, 17.1% above July's $133.20 million. Metal forming equipment orders rose 22.7% for the month, going from July's $57.55 million to $70.60 million for August. Compared to 1988, year–to–date metal cutting orders, standing at $1,351.30 million, are down 24.6%; metal forming orders, at $557.85 million, are down 9.1%. Comparing August 1989 to the same month in 1988, metal cutting machine tool orders are down 40.3% and metal forming orders are down 9.5%.

Metal cutting shipments for August were $170.00 million, down 3.2% from July's $175.60 million. August metal forming machine tool shipments fell to $56.35 million, down 9.3% from July's $62.10 million. Year–to–date metal cutting shipment figures were up 56.6% to $1,405.30 million and metal forming shipments were up 10.2% to $564.25 million. Compared to the same month a year ago, August metal cutting shipments are up 61.3% and metal forming shipments are up 16.1%.

# # #

## COMPARISON CHART

### NET NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

| | METAL CUTTING | | | METAL FORMING | | | TOTAL Cutting and Forming | | |
|---|---|---|---|---|---|---|---|---|---|
| | Domestic | Foreign | Total | Domestic | Foreign | Total | Domestic | Foreign | Total |
| AUG 1989 | 120.50 | 35.50 | 156.00 | 70.20 | .40 | 70.60 | 190.70 | 35.90 | 226.60 |
| JUL 1989 | 112.00 | 21.20 | 133.20 | 43.35 | 14.20 | 57.55 | 155.35 | 35.40 | 190.75 |
| % CHANGE | | | | | | | | | |
| AUG 1989:JUL 1989 | +7.6 | +67.5 | +17.1 | +61.9 | -97.2 | +22.7 | +22.8 | +1.4 | +18.8 |
| AUG 1988 | 179.30 | 82.20 | 261.50 | 73.50 | 4.50 | 78.00 | 252.80 | 86.70 | 339.50 |
| % CHANGE | | | | | | | | | |
| AUG 1989:AUG 1988 | -32.8 | -56.8 | -40.3 | -4.5 | -91.1 | -9.5 | -24.6 | -58.6 | -33.3 |
| YEAR TO DATE 1989 | 1,169.05 | 182.25 | 1,351.30 | 484.50 | 73.35 | 557.85 | 1,653.55 | 255.60 | 1,909.15 |
| YEAR TO DATE 1988 | 1,507.45 | 283.80 | 1,791.25 | 531.25 | 82.45 | 613.70 | 2,038.70 | 366.25 | 2,404.95 |
| % CHANGE | | | | | | | | | |
| 1989 : 1988 | -22.4 | -35.8 | -24.6 | -8.8 | -11.0 | -9.1 | -18.9 | -30.2 | -20.6 |

### SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

| | METAL CUTTING | | | METAL FORMING | | | TOTAL Cutting and Forming | | |
|---|---|---|---|---|---|---|---|---|---|
| | Domestic | Foreign | Total | Domestic | Foreign | Total | Domestic | Foreign | Total |
| AUG 1989 | 147.45 | 22.55 | 170.00 | 50.20 | 6.15 | 56.35 | 197.65 | 28.70 | 226.35 |
| JUL 1989 | 155.45 | 20.15 | 175.60 | 50.55 | 11.55 | 62.10 | 206.00 | 31.70 | 237.70 |
| % CHANGE | | | | | | | | | |
| AUG 1989:JUL 1989 | -5.1 | +11.9 | -3.2 | -0.7 | -46.8 | -9.3 | -4.1 | -9.5 | -4.8 |
| AUG 1988 | 93.00 | 12.40 | 105.40 | 40.75 | 7.80 | 48.55 | 133.75 | 20.20 | 153.95 |
| % CHANGE | | | | | | | | | |
| AUG 1989:AUG 1988 | +58.5 | +81.9 | +61.3 | +23.2 | -21.2 | +16.1 | +47.8 | +42.1 | +47.0 |
| YEAR TO DATE 1989 | 1,247.25 | 158.05 | 1,405.30 | 479.35 | 84.90 | 564.25 | 1,726.60 | 242.95 | 1,969.55 |
| YEAR TO DATE 1988 | 800.15 | 97.15 | 897.30 | 436.75 | 75.25 | 512.00 | 1,236.90 | 172.40 | 1,409.30 |
| % CHANGE | | | | | | | | | |
| 1989 : 1988 | +55.9 | +62.7 | +56.6 | +9.8 | +12.8 | +10.2 | +39.6 | +40.9 | +39.8 |

Source: NMTBA - The Association For Manufacturing Technology

**TOTAL INDUSTRY ESTIMATE**
**MACHINE TOOLS - CUTTING AND FORMING**
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

| DATE | NET NEW ORDERS Domestic | Foreign | Total | Order Backlog | SHIPMENTS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|---|
| 1988 | $3,065.10 | $ 525.75 | $3,590.85 | $2,191.25 | $2,102.30 | $ 296.80 | $2,399.10 |
| 1989 | | | | | | | |
| JAN | $ 202.00 | $ 28.85 | $ 230.85 | $2,269.90 | $ 131.70 | $ 20.50 | $ 152.20 |
| FEB | $ 248.35 | $ 33.60 | $ 281.95 | $2,323.05 | $ 200.30 | $ 28.50 | $ 228.80 |
| MAR | $ 258.40 | $ 32.10 | $ 290.50 | $2,306.90 | $ 274.25 | $ 32.40 | $ 306.65 |
| APR | $ 214.90 | $ 27.65 | $ 242.55 | $2,299.90 | $ 227.15 | $ 22.40 | $ 249.55 |
| MAY | $ 187.95 | $ 17.30 | $ 205.25 | $2,264.40 | $ 219.50 | $ 21.25 | $ 240.75 |
| JUN | $ 195.90 | $ 44.80 | $ 240.70 | $2,177.55 | $ 270.05 | $ 57.50 | $ 327.55 |
| JUL | $ 155.35 | $ 35.40 | $ 190.75 | $2,130.60 | $ 206.00 | $ 31.70 | $ 237.70 |
| AUG (P) | $ 190.70 | $ 35.90 | $ 226.60 | $2,130.85 | $ 197.65 | $ 28.70 | $ 226.35 |
| 8 MONTHS | $1,653.55 | $ 255.60 | $1,909.15 | | $1,726.60 | $ 242.95 | $1,969.55 |

| DATE | GROSS NEW ORDERS Domestic | Foreign | Total | CANCELLATIONS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|
| 1988 | $3,180.25 | $ 541.75 | $3,722.00 | $ 115.15 | $ 16.00 | $ 131.15 |
| 1989 | | | | | | |
| JAN | $ 211.70 | $ 30.05 | $ 241.75 | $ 9.70 | $ 1.20 | $ 10.90 |
| FEB | $ 259.90 | $ 34.40 | $ 294.30 | $ 11.55 | $ .80 | $ 12.35 |
| MAR | $ 273.15 | $ 33.20 | $ 306.35 | $ 14.75 | $ 1.10 | $ 15.85 |
| APR | $ 222.00 | $ 28.70 | $ 250.70 | $ 7.10 | $ 1.05 | $ 8.15 |
| MAY | $ 199.50 | $ 22.20 | $ 221.70 | $ 11.55 | $ 4.90 | $ 16.45 |
| JUN | $ 216.90 | $ 46.90 | $ 263.80 | $ 21.00 | $ 2.10 | $ 23.10 |
| JUL | $ 175.25 | $ 36.85 | $ 212.10 | $ 19.90 | $ 1.45 | $ 21.35 |
| AUG (P) | $ 198.25 | $ 43.90 | $ 242.15 | $ 7.55 | $ 8.00 | $ 15.55 |
| 8 MONTHS | $1,756.65 | $ 276.20 | $2,032.85 | $ 103.10 | $ 20.60 | $ 123.70 |

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

**INDUSTRY ESTIMATE**
**METAL CUTTING TYPE MACHINE TOOLS**
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

| DATE | NET NEW ORDERS Domestic | Foreign | Total | Order Backlog | SHIPMENTS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|---|
| 1988 | $2,315.75 | $ 392.15 | $2,707.90 | $1,805.55 | $1,400.10 | $ 174.45 | $1,574.55 |
| 1989 | | | | | | | |
| JAN | $ 145.40 | $ 21.60 | $ 167.00 | $1,869.70 | $ 89.50 | $ 13.35 | $ 102.85 |
| FEB | $ 191.30 | $ 23.65 | $ 214.95 | $1,933.40 | $ 133.90 | $ 17.35 | $ 151.25 |
| MAR | $ 200.20 | $ 20.40 | $ 220.60 | $1,926.55 | $ 207.25 | $ 20.20 | $ 227.45 |
| APR | $ 138.50 | $ 14.30 | $ 152.80 | $1,895.30 | $ 168.35 | $ 15.70 | $ 184.05 |
| MAY | $ 138.10 | $ 9.80 | $ 147.90 | $1,884.80 | $ 145.40 | $ 13.00 | $ 158.40 |
| JUN | $ 123.05 | $ 35.80 | $ 158.85 | $1,807.95 | $ 199.95 | $ 35.75 | $ 235.70 |
| JUL | $ 112.00 | $ 21.20 | $ 133.20 | $1,765.55 | $ 155.45 | $ 20.15 | $ 175.60 |
| AUG (P) | $ 120.50 | $ 35.50 | $ 156.00 | $1,751.55 | $ 147.45 | $ 22.55 | $ 170.00 |
| 8 MONTHS | $1,169.05 | $ 182.25 | $1,351.30 | | $1,247.25 | $ 158.05 | $1,405.30 |

| DATE | GROSS NEW ORDERS Domestic | Foreign | Total | CANCELLATIONS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|
| 1988 | $2,392.00 | $ 403.30 | $2,795.30 | $ 76.25 | $ 11.15 | $ 87.40 |
| 1989 | | | | | | |
| JAN | $ 151.20 | $ 22.55 | $ 173.75 | $ 5.80 | $ .95 | $ 6.75 |
| FEB | $ 201.25 | $ 24.05 | $ 225.30 | $ 9.95 | $ .40 | $ 10.35 |
| MAR | $ 210.25 | $ 21.35 | $ 231.60 | $ 10.05 | $ .95 | $ 11.00 |
| APR | $ 144.05 | $ 15.30 | $ 159.35 | $ 5.55 | $ 1.00 | $ 6.55 |
| MAY | $ 149.30 | $ 14.65 | $ 163.95 | $ 11.20 | $ 4.85 | $ 16.05 |
| JUN | $ 142.05 | $ 37.65 | $ 179.70 | $ 19.00 | $ 1.85 | $ 20.85 |
| JUL | $ 131.25 | $ 22.60 | $ 153.85 | $ 19.25 | $ 1.40 | $ 20.65 |
| AUG (P) | $ 124.25 | $ 36.70 | $ 160.95 | $ 3.75 | $ 1.20 | $ 4.95 |
| 8 MONTHS | $1,253.60 | $ 194.85 | $1,448.45 | $ 84.55 | $ 12.60 | $ 97.15 |

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

**INDUSTRY ESTIMATE**
**METAL FORMING TYPE MACHINE TOOLS**
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

| DATE | NET NEW ORDERS Domestic | Foreign | Total | Order Backlog | SHIPMENTS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|---|
| 1988 | $ 749.35 | $ 133.60 | $ 882.95 | $ 385.70 | $ 702.20 | $ 122.35 | $ 824.55 |
| 1989 | | | | | | | |
| JAN | $ 56.60 | $ 7.25 | $ 63.85 | $ 400.20 | $ 42.20 | $ 7.15 | $ 49.35 |
| FEB | $ 57.05 | $ 9.95 | $ 67.00 | $ 389.65 | $ 66.40 | $ 11.15 | $ 77.55 |
| MAR | $ 58.20 | $ 11.70 | $ 69.90 | $ 380.35 | $ 67.00 | $ 12.20 | $ 79.20 |
| APR | $ 76.40 | $ 13.35 | $ 89.75 | $ 404.60 | $ 58.80 | $ 6.70 | $ 65.50 |
| MAY | $ 49.85 | $ 7.50 | $ 57.35 | $ 379.60 | $ 74.10 | $ 8.25 | $ 82.35 |
| JUN | $ 72.85 | $ 9.00 | $ 81.85 | $ 369.60 | $ 70.10 | $ 21.75 | $ 91.85 |
| JUL | $ 43.35 | $ 14.20 | $ 57.55 | $ 365.05 | $ 50.55 | $ 11.55 | $ 62.10 |
| AUG (P) | $ 70.20 | $ .40 | $ 70.60 | $ 379.30 | $ 50.20 | $ 6.15 | $ 56.35 |
| 8 MONTHS | $ 484.50 | $ 73.35 | $ 557.85 | | $ 479.35 | $ 84.90 | $ 564.25 |

| DATE | GROSS NEW ORDERS Domestic | Foreign | Total | CANCELLATIONS Domestic | Foreign | Total |
|---|---|---|---|---|---|---|
| 1988 | $ 788.25 | $ 138.45 | $ 926.70 | $ 38.90 | $ 4.85 | $ 43.75 |
| 1989 | | | | | | |
| JAN | $ 60.50 | $ 7.50 | $ 68.00 | $ 3.90 | $ .25 | $ 4.15 |
| FEB | $ 58.65 | $ 10.35 | $ 69.00 | $ 1.60 | $ .40 | $ 2.00 |
| MAR | $ 62.90 | $ 11.85 | $ 74.75 | $ 4.70 | $ .15 | $ 4.85 |
| APR | $ 77.95 | $ 13.40 | $ 91.35 | $ 1.55 | $ .05 | $ 1.60 |
| MAY | $ 50.20 | $ 7.55 | $ 57.75 | $ .35 | $ .05 | $ .40 |
| JUN | $ 74.85 | $ 9.25 | $ 84.10 | $ 2.00 | $ .25 | $ 2.25 |
| JUL | $ 44.00 | $ 14.25 | $ 58.25 | $ .65 | $ .05 | $ .70 |
| AUG (P) | $ 74.00 | $ 7.20 | $ 81.20 | $ 3.80 | $ 6.80 | $ 10.60 |
| 8 MONTHS | $ 503.05 | $ 81.35 | $ 584.40 | $ 18.55 | $ 8.00 | $ 26.55 |

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology